Construction News

RAILWAYS—STEAM AND ELECTRIC

Proposed Work

Massachusetts—Milford, Attleboro & Woonsocket St. Ry. asked City Council, Franklin, for franchise for relocation of tracks on Central St. H. C. Page, Worcester, Gen. Mgr.

Rhode Island—Rhode Island Co. asked City Council, Pawtucket, for franchise to relocate tracks and lay additional tracks on Broad St. from Exchange St. to Miller St. Howard Elliott, Boston, Mass., Pres. and Gen. Mgr.

New York—International Ry. Co. plans new electric line from Buffalo to Niagara Falls. H. J. Mack, Supt. and J. C. Sheldon, Buffalo, Pur. Agt.

New York—City Council, Utica, granted 50-year franchise to New York State Ry. for extension of line on Elm St. to Neilson St. via James St. B. E. Tilton, Utica, Gen. Mgr. Noted Sept. 16.

Pennsylvania—Press reports state that an electric railway will be constructed from Columbus to Mayville, C. E. Bentley, Jamestown, N. Y., Engr.

Pennsylvania—Project to construct an electric-railway from Milford northeast to Port Jervis, about eight miles, is being revived. Gifford Pinchot, Milford, interested.

Pennsylvania—Mahoning & Shenango Ry. & Light Co. plans to construct an extension of its lines from Beaver Falls to Newcastle, Ohio. G. J. A. Paul, Youngstown, Ry. Mgr.

Pennsylvania—Pottsville & St. Clair Electric Ry., recently incorporated, will construct a railway from Pottsville to St. Clair. W. B. Rockwell, Pres.

Pennsylvania—South Mountain St. Ry. recently incorporated, will apply for charter for electric railway from Kleinfeltersville to Womelsdorf.

West Virginia—Surveys being made for branch line of Western Maryland R.R. from Wyatt to Bingamon Creek to carry coal.

North Carolina—Rutherford Interurban Ry. Co., recently incorporated, plans line from Atlantic coast to Ashville and state line.

North Carolina—Board of Trade, Louisburg, contemplates line from Louisburg to connect with Atlantic Coast Line R.R., about 35 miles. F. A. Turner, Louisburg, interested.

Florida—Atlantic Coast Line R.R. contemplates extension of line from Sebring to Immokalee, via Ft. Thompson, about 80 miles. E. B. Pleasants, Wilmington, N. C., Ch. Engr.

Tennessee—Illinois Central R.R. plans extension and improvement of yards and roundhouse at Jackson. A. S. Baldwin, Chicago, Ill., Ch. Engr. Estimated cost, $150,000.

Tennessee—Central Power Co., Chattanooga, recently incorporated with $50,000 capital, will build line from Chattanooga to Cleveland, Tenn., about 25 miles. G. B. Adams, interested.

Ohio—Cleveland Ry. granted franchise for electric-railway through Parma Township to Bean Rd. G. L. Radcliffe, Cleveland, Gen. Mgr.

Ohio—East Linden Electric Ry. Co. granted franchise by City Council, Columbus, for construction of two new lines. Noted Oct. 21.

Indiana—City Council, Rockport, granted franchise to Evansville Ry. Co. for line on Washington St. to bank of Ohio River. W. A. Carson, Evansville, Gen. Mgr. and Pur. Agt.

Illinois—John E. Melick interested in railroad between Pearl and Kampsville, 11 miles. Surveys being made.

Illinois—Plans being considered for electric railway from Moline to Coal Valley, about six miles. Estimated cost, $60,000.

Minnesota—Duluth & Northern Minnesota Ry. will extend its line to Knife River, Minn. John Millen, Duluth, Pres. and Gen. Mgr.

Montana—Northern Pacific Ry. contemplates spur to mines of Iron Mountain and Iron Mountain Tunnel Co. F. G. Prest, St. Paul, Minn., Pur. Agt.

Missouri—Kansas City, Mexico & Orient Ry. plans to start work soon on proposed new extension, also contemplates improving line south of Wichita. H. B. Holmes, Kansas City, Res. Engr.

Missouri—United Rys. Co. plans to improve street car lines in downtown district of St. Louis. Estimated cost, $125,000. C. O. Jenks, Portland, Ore., Gen. Mgr.

Texas—San Antonio & Austin Interurban has revived plans to construct interurban electric-railway between San Antonio and Austin, about 80 miles. Proposed railway will pass through New Braunfels, Hunter, San Marcos, Kyle, Buda and Manchaca.

Washington—Everett Ry. Light & Water Co., received petition from Riverside Commercial Club for extension of its lines on Riverside Ave. L. Skipwith, New York, N. Y., Pur. Agt.

Oregon—Robert E. Strahorn, Portland, interested in company to build railway from Bend to Klamath Falls, via Silver Lake, from Silver Lake to Lake View and from Ben to connection with Oregon-Washington Ry. & Navigation Co., about 400 miles.

California—City Ry. received franchise from City Council, Los Angeles, for line on South Park Ave. from 13th St. to Slauson Ave.

California—Bids will be received by Board of Public Works until Nov. 10 for railway from Rosasco into Hetch Hetchy reservoir, about 67 miles. M. M. O'Shaughnessy, City Engr. Noted Oct. 7.

Alaska—It is reported that at next session of congress appropriation of $10,000,000 will be asked for continuing construction of Government Alaska R.R.

Bids In and Contracts Awarded

Indiana—Lafayette & Northeastern Traction Co. has awarded the contract for a railway from Lafayette to Kankakee, Ill., to M. A. TALBERT CO.

Minnesota—Contract awarded to CHARLES MAGNUSON by Duluth & Iron Range R.R. Co. for four miles of spur track to Winton.

Oklahoma—Press reports state contract awarded to ARBUCKLE CONSTRUCTION & IMPROVEMENT CO., Arbuckle, Okla., for 176 miles of line for Southern Light, Power & Ry. Co.

LIGHT, HEAT AND POWER

Proposed Work

Mass., Southwick—Southwick Electric Co. plans to construct a power house and install a 100-hp. engine.

R. I., Providence—Narragansett Electric Lighting Co. will build new sub-station on Admiral St.

N. Y., Buffalo—(Official)—Bids will be received until 2:30 p.m., Nov. 5, by State Hospital Commission, Capitol, Albany, for additional boiler capacity, heating work at Buffalo State Hospital. E. S. Elwood, Secy. State Hospital Comn. (See adv.) Noted Sept. 16.

Penn., Philadelphia—Misericordia Hospital plans to build power plant at 53rd St. and Cedar Ave.

Md., Baltimore—Board of Estimate authorized H. K. McCay, Harbor Engr., to prepare plans for hydro-electric plant at Jones' Falls to supply electricity for lighting the city.

N. C., Hickory—City Council rejected all bids for 30-year franchise to operate electric-light and power and fuel and heating plant. New bids will be received. Noted Sept. 9.

Miss., Carriere—Electric-light plant of Lacey Lumber Co., recently destroyed by fire, will be rebuilt.

Wis., Medford—Medford Light & Power Co. plans to extend and improve its plant.

Wis., Mineral Point—Mineral Point Public Service Co. granted permission to issue $50,000 capital stock. Proceeds will be used for improving and extending lighting and heating system.

Wis., Stevens Point—Bids will be received by William Kittle, Secy., Bd. of Normal Regents, Madison, until 10.30 a.m., Oct. 30, for electric wiring of main building and wing of State Normal School.

Iowa, Nashua—Cedar Valley Electric Co. has purchased present power site and plans to rebuild old dam with concrete. Company recently granted 25-year franchise.

Iowa, Waverly—Application made by Cedar Valley Hydraulic Co. for franchise to construct poles for light, power and heating purposes.

Minn., Ely—See item under "Water Supply."

S. D., Emery—Franchise granted to Brady Electric Co. to install and operate electric-light plant.

N. D., Glenburn—M. Thayer granted franchise for electric-light plant.

Mo., Steelville—Steelville Electric-Light & Power Co. applied to Public Service Commission for permission to construct electric-light plant. Estimated cost, $10,000.

Tex., Decatur—See item under "Water Works."

Tex., Gatesville—An expenditure of $10,000 approved by A. Ferguson, Governor, for heating and power plant at State Training School for Boys.

Okla., Paden—Election will be held Nov. 23 to vote to grant franchise to A. G. Rogers and W. E. Davis for electric-light plant.

Colo., Alamosa—Colorado Power Co. plans an expenditure of $20,000 for improving its plant.

Bids In and Contracts Awarded

N. Y., New York—(Borough of Bronx)—(Official)—Lowest bid for installing electric equipment in Evander Childs high school at East 184th St. and Field Pl. submitted by Jandous Electric Equipment Co., 109 West 31st St., at $25,110.

N. J., Newark—Contract for heating system for Milford School awarded to J. F. KELLY, at $20,888.

Del., Milton—Contract for municipal electric-light plant awarded to W. W. CONWELL at $8,600.

N. C., Lumberton—Contract for improving municipal electric-light system awarded to TUCKER & LAXTON, Charlotte. Noted Sept. 30.

Ohio, Youngstown—Contract for new building for Mahoning County Light Co. awarded to HELLER BROS. CO.

Mich., Ishpeming—Contract for power house in North Lake District for Cleveland Cliffs Iron Co. awarded to LOUIS ERICKSON & SON.

Iowa, Luverne—Contract for transmission line from Luverne to Livermore awarded to McCONNELL-LANFORD ELECTRIC CO., Boone, at $7,918. Noted Sept. 23.

Kan., Paola—Contract for heating plant at Ursuline Academy awarded to F. M. SPENCER & SON, at $79,000.

BRIDGES

Proposed Work

R. I., Woonsocket—Bids being received by F. A. Mills, City Engr., for three reinforced-concrete bridges. Estimated cost, $60,000.

N. Y., Hanover—City plans an expenditure of $7,000 for bridge over Silver Creek at Howard St.

N. Y., Scarsdale—Village will build bridge over tracks of New York Central R.R. at Popham Rd. Plans approved by Public Service Commission.

N. J., South Orange—Bids will be received by Walter A. Evans, Chn., Eighth District Bridge Comn., Bd. of Chosen Freeholders of Essex County, Newark, until Nov. 1, for bridge on Pierson Rd. over east branch of Rahway River, South Orange Township.

Penn., Butler—Willis Whited, Bridge Designer, State Highway Dept., Harrisburg, will prepare plans for overhead bridge at foot of Main St. Estimated cost, $50,000.

Penn., Johnstown—(Official)—Bids will be received until 11 a.m., Nov. 6, for Horner St. Bridge. Estimated cost, $50,000. G. A. Flink, Harrisburg, Penn., Engr. Noted Aug. 19.

W. Va., Huntington—Huntington-Chesapeake Bridge Co., recently incorporated, will build bridge across Ohio River from Huntington to Chesapeake, Ohio. J. C. Miller and Thomas W. Harvey, Huntington, interested.

Ga., Roswell—Plans being considered for steel bridge over Chattahoochee River. Estimated cost, $6,000.

Fla., Tampa—Bids will be received by W. P. Culbreath, Clk., County Comrs., until Nov. 26, for bridge over Little Manatee River.

Fla., Tavares—See item under "Streets and Roads."

Miss., Durant—Bids will soon be received by Board of Supervisors of Holmes County, Lexington, for steel bridge over Bowles Creek, near Durant.

Miss., Grenada—Bids will be received by John S. King, Clk., Bd. of Superv., until Nov. 1, for steel bridge across Long Creek District No. 4.

Miss., Natchez—Bridge will be constructed over Homochitto River by Board of Supervisors of Franklin County. Estimated cost, $6,000.

La., New Orleans—Bids will be received until Nov. 16 by A. J. Ricks, Comr., Dept. of Pub. Finances, Accounting Div., for viaduct at West End Lake Shore Park.

Tenn., Selmer—Appropriation of $5,050 made by County Court for eight steel bridges.

Ohio, Cleveland—Bids will be received until 10 a.m., Nov. 3, by E. G. Krause, Clk., Cuyahoga County Commissioners, for bridge work under report No. 3629. W. A. Stinchcomb, County Engr.

Ind., Liberty—(Official)—Bids will be received by G. W. Wray, Audr., Comrs. of Union County, until 2 p. m., Nov. 1, for two concrete bridges.

Minn., Red Wing—Plans being considered by city and county for bridge across Mississippi River at Red Wing and filling in channel and constructing hard road.

Kan., Kansas City—Commissioners appointed by Commercial Club of Kansas City have not decided on character of approaches for bridge over Kaw River. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., Engr. Noted Sept. 2.

Kan., Kansas City—Bids will soon be received by County Commissioners of Wyandotte County for bridge in Central Ave.

Kan, Lawrence—Bids will be received by Clerk of Douglas County until noon, Nov. 6, for bridge on county line between Douglas and Franklin Counties.

Mo., Joplin—Plans being considered for viaduct over tracks of St. Louis & San Francisco R.R. on Kentucky Ave. J. B. Hodgden, Comr. of Streets.

Tex., Orange—See item under "Streets and Roads."

Tex., Waco—(Official)—Citizens defeated $10,000 bonds for bridges. Noted Sept. 20.

Okla., Oklahoma—Resolution passed by County Commissioners authorizing construction of a number of bridges. Estimated cost, $11,897

Colo., Denver—Plans approved for reinforced-concrete bridge across Huerfano River north of Walsenburg. Estimated cost, $13,000.

Idaho, Harrison—City has retained A. L. Jaqueth, Great Falls, Mont., to estimate cost of concrete structure across Cœur d'Alene River to replace wooden trestle.

Calif., Cardiff—Plans being completed by J. Butler, County Surveyor for reinforced-concrete bridge on State Highway near Cardiff. Estimated cost, $10,000.

Calif., Richmond—Plans prepared for steel viaduct over Atchison, Topeka & Santa Fe Ry. at 16th St. Estimated cost, $10,000.

China—(Official)—Bids will be received until 9 a.m., Dec. 7 by Robert W. Hunt & Co., Monongahela Bank Bldg., Pittsburgh, Penn., for steel bridgework for Canton-Hankow Ry., Hupei-Hunan Section. Noted Aug. 19. (See adv.)

Bids In and Contracts Awarded

Mass., Nantucket—Bids were received by Massachusetts Highway Commission for pile bridge at Nantucket from Frank C. Taylor, 170 Kempton St., New Bedford, $12,765, and W. H. Ellis & Son Co., East Boston, $17,500.

Mass., Oak Bluffs—All bids received by State Highway Commission, 15 Ashburton Pl., Boston, for bridge and approaches at Oak Bluffs and Edgartown rejected.

N. Y., Lyons Falls—(Official)—Contract awarded to W. S. RAE, Amsterdam, for completing bridge over Blank and Moose Rivers. Estimated cost, $59,385. Noted Oct. 14.

N. J., Paterson—Contract for widening Hope Ave. Bridge awarded to JOHN WHERLÆ, Jr., at $4,098. Noted Oct. 7.

Penn., Philadelphia—Philadelphia & Reading Ry. awarded contracts for bridge work as follows: Contract 1, bridge abutment and removal of core to C. P. BOWER, Philadelphia, at $32,915; Contract 2, superstructure to AMERICAN BRIDGE CO., Philadelphia, $28,415; Contract 3, waterproofing of bridges to BARBER ASPHALT PAVING CO., Philadelphia, at $2,388.

Fla., Daytona—(Official)—Contract for steel work for highway drawbridge across St. Johns River between Volusia and Seminole Counties awarded to VIRGINIA BRIDGE & IRON CO., Roanoke, Va., approaches and foundations to BEASLEY CONTRACTING CO., Savannah, Ga. Atlantic Engineering Co., Savannah, Ga., Engr.

Ind., Bedford—See item under "Streets and Roads."

Iowa, Clinton—Contract for six wooden bridges awarded to BUTTERFIELD & MITCHELL.

Iowa, Waukon—Contract for steel superstructures for two bridges awarded to CLINTON BRIDGE CO., at $11,807. Noted Oct. 7.

Minn., Breckenridge—Contract for six steel culverts and 11 steel bridges awarded to T. GLEASON, Minneapolis. Noted Sept. 30.

Mo., St. Louis—Bids were received for Chouteau Ave. viaduct as follows: Frank C. Mueller & Co., $131,939; Hanick Quarry & Construction Co., $137,471; Heman Construction Co., $141,270. Noted Oct. 7.

WATER WORKS

Proposed Work

Maine, Anson—Installation of water system postponed indefinitely. Estimated cost, $120,000. G. H. Viles, Clk., Bd. of Comrs. Noted Aug. 5.

Mass., Lynn—(Official)—Bids will be received until 10:30 a.m., Nov. 9, by Thomas Campbell, 2d, Comr. of Water and Water-Works for Ipswich River pumping station. Noted Oct. 21. (See adv.)

N. Y., Buffalo—Bids will be received until Oct. 30 by Francis G. Ward, Comr. Pub. Wks., for 12-in. high pressure pipe line from Main and Perry St. to the Terrace.

N. Y., Ilion—City postponed awarding of contract for filtration plant and pipe line until 1916. Estimated cost, $80,000. C. C. Hopkins, Rochester, N. Y., Engr. Noted Oct. 14.

N. Y., LeRoy—Bids will be received until Nov. 3 by Board of Water and Light Commissioners for 125,000-gal. tank. James P. Wells, LeRoy, Consult. Engr.

Penn., Charleroi—(Official)—Tri-Cities Water Co. retained Chester & Fleming, Hydraulic Engr., to prepare plans for reinforced-concrete settling basin at filtration plant.

Penn., Johnstown—Johnstown Water Co. plans $75,000 bond issue for additions to its plant. Noted Aug. 19.

Penn., Tamaqua—(Official)—All bids received Oct. 5 for reservoir in Owl Creek rejected. New bids will be received. Noted Aug. 12 and Oct. 21.

Penn., West Leesport—Election will be held Nov. 2 to vote on $11,000 bonds for water system.

Va., Blackstone—Water works and electric light plant will be rebuilt, according to press reports.

Va., Waverly—Election will be held to vote on $55,000 bonds. Part of proceeds will be used for water system.

W. Va., Huntington—Application made to State Public Utilities Commission for reduction in water rates. If request is not granted municipal water system will be constructed.

N. C., Durham—Bonds for $250,000 for water system will be sold Nov. 10. Noted Oct. 21.

Fla., Jacksonville—Bids will be received until Nov. 8 by F. W. Bruce, Ch. Engr. Port Comrs., for 50,000-gal. water tank at Municipal Terminals.

Fla., St. Augustine—S. G. Pollard, 3422 Burch Ave., Cincinnati, Ohio, retained by city to investigate water system.

Fla., St. Cloud—City plans to install water system.

Ala., Florence—Election will be held Nov. 15 to vote on $210,000 bonds for purchase and improvement of water system and installation of filtration plant. Noted Oct. 21.

La., Independence—City plans water works. Xavier A. Kramer, Magnolia, Miss., Engr. Estimated cost, $30,000.

La., Oakdale—(Official)—We have been advised bids will not be received for water system till 1916. Estimated cost, $25,000. R. E. Ricketts, City Secy. Noted Oct. 14.

Ky., Flemingsburg—City Council plans survey for water system.

Ky., Williamsburg—Election will be held Nov. 2 to vote on $25,000 bonds for water system.

Ohio, Barnesville—At November election citizens will vote on additional levy for improving water system, including filtration plant and standpipe.

Ohio, Byesville—Election will be held Nov. 2 to vote on $40,000 bonds for water system. Noted Sept. 30.

Ohio, Columbus—Bids will be received until Nov. 11 by Ohio Board of Administration, Oak and Ninth St., for water softening equipment for Institute for Feeble Minded. A. F. Shepherd, Pres.

Ohio, Lima—Investigation of better water supply being made for city.

Ohio, Middletown—S. G. Pollard, 3422 Burch Ave., Cincinnati, preparing plans for improvements to water system.

Ohio, Warren—(Official)—Local Public Service Corporation retained Chester & Fleming, Hydraulic Engr., Pittsburgh, Penn., to prepare plans for improvements to filtration plant.

Ohio, Zanesville—City Council contemplates relining and enlarging two reservoirs. Estimated cost, $25,000.

Mich., Birmingham—City voted bonds for water main extensions.

Mich., Hancock—Plans prepared by City Engineer for water mains in Lake St. and Hancock Ave. accepted by City Council.

Ill., Elmhurst—(Official)—Bids will be received until 7:30 p.m., Nov. 3, by City Council for tower, pumping station, tank, reservoir and well house. Arthur H. Kochasky, City Clk. (See adv.)

Ill., Wheaton—(Official)—Election will be held Nov. 12 to vote $35,000 bonds for improving and enlarging water system. Noted Oct. 21.

Iowa, Germania—Bids will be received until Oct. 29 by M. H. Stoddard, Town Clk., for laying water mains and constructing water system. Noted Aug. 12.

Minn., Ely—Citizens voted $40,000 bonds for improvements to water system and electric-light plant. Noted Sept. 30.

Minn., Virginia—City plans improvement of water system in spring. Estimated cost, $50,000.

Minn., Worthington—Bonds for $10,000 voted by citizens for extension of water and system.

Kan., Caldwell—State Board of Health ordered installation of water system by July, 1916.

Kan., Caney—City ordered to install water system by July, 1916 by State Board of Health.

Kan., Cedarville—State Board of Health has ordered installation of water system by July, 1916.

Kan., La Harpe—State Board of Health ordered installation of water system by July, 1916.

Kan., Manhattan—City plans an expenditure of $72,600 for improving water system.

Kan., Marion—State Board of Health ordered installation of water system by January, 1917.

Kan., Morrill—(Official)—We have been informed that citizens did not vote $10,000 bonds for water system as stated in our issue of Oct. 21. M. Lichty, City Clk. Noted Oct. 21.

Kan., Paola—City ordered to install water works by July, 1916 by State Board of Health.

Wyo., Thermopolis—(Official)—Citizens voted $40,000 bonds for extending water system. Noted Oct. 14.

Ark., Heber Springs—Bonds for $90,000 for water and sewerage system will be sold. R. D. Alexander, Oklahoma City, Okla., Engr. Noted Sept. 2.

Ark., Tillar—City contemplates new well for additional water supply. Peter Sain, Mayor.

Tex., Decatur—City plans to improve water system and electric-light plant. Estimated cost, $10,000.

Tex., Seadrift—A. Landa, Victoria, presented proposition to Commercial Club for municipal water system. A. D. Powers, Seadrift, interested.

Tex., Timpson—City plans municipal water system.

Colo., Akron—(Official)—Citizens voted $20,000 bonds for water system. Noted Oct. 7.

Idaho, Council—Bids will be received by City Clerk until Nov. 5 for water system. Estimated cost, $20,000. Noted Sept. 30.

Wash., Lakewood—Town Council contemplates municipal water system. Estimated cost, $10,000.

Ore., Baker—Citizens voted $110,000 bonds for improving municipal water system. Noted Sept. 23 and Oct. 7.

Que., Lennoxville—(Official)—Bids will be received some time next year for improving and extending water system. Noted Oct. 14.

Ont., Brockville—Bids will soon be received for filtration plant. G. W. Bryson, Engr.

Bids In and Contracts Awarded

Mass., Boston—(Dorchester and Roxbury)—(Official)—Contract awarded to JOHN GUARENO, 45 Brook Ave., Roxbury, at $10,316, for laying water mains. Noted Oct. 21.

Mass., Salem—(Official)—Contract for intake and gate house at Wenham Lake awarded to BAY STATE DREDGING & CONTRACTING CO., Boston, at $13,800. Noted Oct. 21.

N. Y., Hudson—(Official)—Work of laying new water mains will be done by Commission of Public Works under supervision of M. J. O'Hara, City Engr. Noted Oct. 21.

N. Y., New York—(Official)—Northeastern Construction Co., 225 Fifth Ave., New York, submitted lowest bid for two steel frame buildings for drainage chambers, Shafts 11 and 21, Catskill Aqueduct, under Contract No. 166. Noted Oct. 7.

Penn., Contesville—Contract for high service system awarded to PARTRIDGE & BURKE, Hohokus, N. J., at $23,834. Noted Sept. 23.

N. C., Lumberton—Contract for filtration plant at municipal water system awarded to TUCKER & LAXTON, Charlotte. Noted Sept. 23.

N. C., Mt. Olive—Contract for two miles of water main awarded to MOREHEAD CITY PLUMBING CO., at about $10,000.

Tenn., Columbia—Contract for filtration plant awarded to INTERNATIONAL FILTRATION CO., Chicago, Ill. Noted Aug. 12.

Ohio, Cincinnati—Contract awarded to U. S. CAST IRON PIPE & FOUNDRY CO., at $34,807, for pipe and castings.

Ind., Miller—(Official)—Contracts for water system awarded as follows: General construction to SHEA & CO., pipe to NATIONAL TUBE CO., tank to CHICAGO BRIDGE & IRON CO. Estimated cost, $14,000. Noted Sept. 30.

Ill., Poplar Grove—Contracts for water system awarded as follows: 5,000 ft. of 4-in. pipe line to ERNEST RIES, Woodstock; pump to FAIRBANKS, MORSE & CO., Chicago, Ill. Noted Oct. 7.

Ill., Quincy—(Official)—Contract for intake pipe line awarded to JOSEPH G. FALCON, 818 Reba Pl., Evanston, by Citizens Water Works Co.

Kan., Kansas City—Contract for improving Quindaro pumping station awarded to COLUMBIAN STEEL TANK CO., 1605 West 12th St., Kansas City, at $4,000.

Kan., Manhattan—City will make improvements to water system by day labor. Noted Act. 28.

Tex., Galveston—Major & Seagraves, at $13,411, submitted lowest bid for reconstructing 36-in. submerged water main Noted Sept. 23 and Oct. 7.

Ore., Amity—J. P. O'Neill, 1175 Burrace St., Portland, low bidder at $11,000 for steel and $9,777 for wood, for water works. Noted Sept. 30.

Calif., Los Angeles—Bids were received by Board of Public Service Commissioners for furnishing 1397 tons of water pipe as follows: American Cast Iron Pipe Co., $31.50 per ton at San Pedro and $32.30 per ton at Los Angeles; Hunter Brockerage Co., $29.15 per ton at San Pedro and $29.95 at Los Angeles; U. S. Cast Iron Pipe & Foundry Co., $30.90 at San Pedro and $31.70 and $33.70 at Los Angeles.

Ont., Lambeth—Contracts for water system awarded as follows: Contract A and B to LONDON FOUNDRY CO., 369 Thames St., London; contract C and D to EWALTER ENGINEERING CO., Middlemarch; waterpipe to GARTSHORE-THOMSON PIPE CO., Stuart St., West Hamilton; elevated steam tank, DES MOINES BRIDGE & IRON CO., Pittsburgh, Penn.; concrete reservoir to E. W. KELLEY, Lambeth.

Ont., Mimico—See item under "Sewers."

SEWERS

Proposed Work

Mass., Fairhaven—Sewer will be built through Rogers estate. Estimated cost, $6,500.

Mass., Haverhill—L. C. Lawton, City Engr., submitted report estimating cost of trunk sewer through North Ave. from head of Marsh Ave. to a point near Snows Brook to Primrose St. at $13,400.

R. I., Woonsocket—Bids will be received until Nov. 3 by Board of Aldermen for surface water drain in Carrington Ave. and Maple St. Frank H. Mills, City Engr.

Conn., Manchester—Appropriation of $12,000 made for storm water sewers. J. Frank Bowen, South Manchester, City Engr.

Conn., Wilson—Plans being considered for improving sewer system. Estimated cost, $12,000.

N. Y., Canadaigua—Plans being prepared by L. P. Adams, Arch., Masonic Temple Bldg., Geneva, for sewage disposal plant between Geneva and Canadaigua for Ontario County Almshouse.

N. Y., Greenwich—(Official)—Bids will be received until 2 p.m., Nov. 1, by Board of Trustees for sewers in Elm Ave., Main and Bridge St. Charles E. Perry, 36 State St., Albany, Engr. Noted Oct. 21. (See adv.)

N. Y., New Rochelle—Board of Estimate authorized $7,500 bond issue for sewer at Upton Park.

N. Y., Niagara Falls—Board of Public Works recommended sewers in New York Ave. from Highland Ave. to Sugar St. Estimated cost, $16,000.

N. Y., Yorktown—Bids will be received until Nov. 9 by State Hospital Commission, Capital, Albany, for sewers and sewage-disposal plant at Mahansic State Hospital, Yorktown. Noted Oct. 21.

N. J., Atlantic Highlands—(Official)—Bids will be received until 8 p.m., Nov. 3, by Mayor and Council for 2¼ miles of 8- to 10-in. sewer. W. T. Franklin, Borough Clk. H. O. Todd, Borough Engr. Noted Aug. 12. (See adv.)

N. J., Hoboken—Bids will soon be received for two-trunk sewerage system. Estimated cost, $500,000. James Fuertes, 132 Nassau St., New York, N. Y., Engr.

Penn., Allentown—C. D. Weirbach, City Engr., estimated cost of sewer system with disposal plant on Kline's Island at $1,318,250. Noted Sept. 9.

Penn., Columbia—Election will be held Nov. 2 to vote on $100,000 bonds for sewer system.

Penn., Pittsburgh—Bids will be received until Oct. 29 by City Controller for sewers in portions of various streets.

Penn., Punxsutawney—Application of borough for sewer system approved by State Department of Health.

Penn., Scranton—Samuel G. Dixon, State Comr. of Health, has plans for comprehensive sewer system. Estimated cost, $5,000,000.

Penn., Waynesboro—City Council will build concrete sewer.

Va., Hampton—Citizens contemplate bond election for rebuilding sewer system.

Va., Waverly—Election will be held to vote on $55,000 bonds. Part of proceeds will be used for sewage-disposal plant.

W. Va., Ceredo—Election will be held Nov. 6 to vote on $55,000 bonds for sewer system.

Fla., Jacksonville—Bids will be received by George M. Powell, Chn., until Nov. 4, to furnish and place about 40 piles with c.-i. cradle and removal and delivery to City Property Yard of about 371-ft. c.-i. pipe, also for 484-ft. of 8-in. c.-i. sewer pipe.

Fla., Miami—Bids will be received until Nov. 4 by B. H. Klyce, City Engr., for centrifugal pumps and electric motor for sewage pumping station at Riverside. Noted Sept. 23.

Fla., St. Cloud—City plans to install sewer system. Fred B. Kenney, City Clk.

Ohio, Findlay—(Official)—Sewer on Chamberlain Hill in South Findlay will not be constructed. City Council authorized sewer from Pearl St. to Edgar Ave. W. K. Stringfellow, City Engr. Noted Oct. 14.

Ohio, Martins Ferry—Bids will be received about next spring for sanitary sewer system. Estimated cost, $15,000. Carl P. Lash, City Engr.

Ohio, Toledo—County Commissioners voted $60,000 bonds for five miles of sewer in Home Acres, West Toledo.

Ohio, Vermilion—Bids will be received by Lewis Clattner, Village Clk., until noon, Nov. 16, for sanitary sewer system and sewage disposal plant. Morris Knowles, 2541 Oliver Bldg., Pittsburgh, Penn., Consult. Engr.

Ohio, Wellsville—Plans being prepared by J. M. George, City Engr., for brick storm sewer.

Ind., Elwood—A. D. Moffet, Engr., submitted report estimating cost of sewer system to drain business section at $14,000.

Mich., Benton Harbor—City Council will build sewer in Parsons St.

Mich., Birmingham—Bonds issued for sanitary sewers.

Ill., East Moline—B. Warner, City Engr., will prepare plans for sewer system.

Ill., Grayville—Board of Local Improvements plans sewer system. Estimated cost, $22,016.

Ill., Watseka—Election will soon be held to vote new sewer system and improve old one. Charles E. Blake, Engr.

Wis., Green Bay—Bids will be received until 10 a.m., Nov. 4, by Committee of Sewers and Plumbing of Common Council at office of City Clerk, for sewer construction.

Iowa, Davenport—Press reports state citizens contemplate new sewer system.

Iowa, Marengo—City plans to install sewerage system.

Iowa, Muscatine—(Official)—We have been informed that construction work on sewer in Mad Creek district will not be started for a year. C. H. Young, City Engr. Noted Oct. 7.

Iowa, Oakland—Bids will be received until Nov. 23 by Elvin W. Wentz, City Clk., for 18,500 ft. of sewers. Noted Oct. 7.

Iowa, Rinard—Surveys being made for sewer system and septic tank.

Minn., Worthington—Citizens voted $30,000 bonds for improving and extending sewer system.

Kan., Anthony—Citizens voted in favor of sewer system.

Kan., Iola—Plans being prepared by Theodore Bartlett, City Engr., for extension of sewer system.

S. D., Winner—Election will be held Nov. 1 to vote on $10,000 bonds for sewerage system.

N. D., Wahpeton—Bids will be received by S. H. Murray, City Audr., until 7:30 p.m., Nov. 1, for extending sewers in District Nos. 1 and 3.

Mo., Odessa—Plans being prepared by Black & Veatch, Engr., 507 Interstate Bldg., Kansas City, Mo., for sewer system.

Tex., Corsicana—City voted $20,000 bonds for sewer improvements. Noted Sept. 30.

Tex., Quanah—Proposition being considered by City Council for installation of sewer system.

Tex., San Benito—(Official)—Bids will be received by J. H. Lyons, Mayor, and City Council, until noon, Nov. 24, for sanitary sewage-disposal plant. Noted Oct. 7 and 14.

Tex., Sherman—Plans being prepared by Charles Saville, Engr., Dallas, for sewer system and sewage-disposal plant. Noted Oct. 21.

Tex., Uvalde—Plans being prepared by N. Werenskiold, Consult. Engr., Box 511, Dallas, for sewage disposal plant. Noted Oct. 14.

N. M., Albuquerque—James N. Gladding, City Engr., preparing plans for pump for sewerage pumping station.

Wash., Seattle—(Official)—Board of Public Works has postponed final action for outfall sewer in Seaview Ave. for about six months. Noted Sept. 30.

Ore., Portland—Plans being prepared for reconstructing wood box sewer in Mill and Water St. Estimated cost, $10,000.

Calif., Auburn—Election will be held Nov. 16 to vote on $15,000 bonds for extending sewer system. Noted Sept. 23.

Calif., San Diego—Bids will be received for completing Ocean Beach sewer system.

Calif., Santa Monica—City Engineer submitted report to City Council estimating cost of storm sewer system at $250,000.

Que., Ste. Agathe des Monts—Quimet & Lesage, 76th St. Gabriel St., Montreal, prepared plans for sewage pumping plant. Estimated cost, $125,000.

Ont., London—City Council contemplates storm sewer on Grand Ave.

Ont., Parry Sound—Bids being received by A. Murray, Town Engr., for sewer.

Alta., Edmonton—(Official)—We have been informed that election will not be held to vote on $250,000 bonds for sewage-disposal plant as stated in our issue of Sept. 30.

Bids In and Contracts Awarded

N. Y., Albany—Contract awarded to R. D. WOOD, Philadelphia, Penn., at $80,900, for pumping station at Tivoli St. for sewer system.

N. Y., Newburg—Contract awarded to CHARLES SPINO, Newburg, for sewer in Grand St.

N. Y., New York—(Borough of Brooklyn)—(Official)—Frank Merindino, 556A 17th St., Brooklyn, low bidder at 90% for sewer in Kings Highway from East 16th St. to East 17th St.

N. Y., New York—(Borough of Manhattan)—(Official)—Contract awarded to W. J. FITZGERALD, 547 West 45th St., New York, at $10,492, for receiving basins, Nos. 1, 2, 3 and 4. Noted Oct. 14.

N. Y., New York—(Borough of Queens)—(Official)—Contracts awarded for sewers in various streets as follows: (1) in Hunters Point Ave. to J. L. SIGRETTO CO., 20 Curtis Ave., Richmond Hill, at $57,720; (2) Kimball Ave. to GREEN CONTRACTING CO., 292 Fifth Ave., Brooklyn, at $22,847; (3) Hollister Ave. to JAMES H. JOHNSON, Beekman and Cliff Sts., New York, at $15,755; (4) Smart Ave., to GREEN CONTRACTING CO., at $5,810; (8) Willard Ave., to J. L. SIGGRETTO CO., at $8,787. Noted Oct. 7.

N. J., Fairview—Bids were received for sewers in Lincoln St. and Wilker St. (low bidders) Bergen Contracting Co., $14,984 and Thomas Cavannaugh, $15,755. Noted Sept. 30.

N. J., Glen Gardner—Contract for additions to sewage disposal plant at Sanitorium for Tuberculosis Diseases awarded to NEW YORK SEWAGE DISPOSAL CO., New York, N. Y., at $15,727. Noted Sept. 23.

N. J., Newark—Contracts awarded to JOSEPH CRESTONE, Montclair, for storm water sewer in Park Ave. and to JAMES P. BOYLAN, Belleville, for sanitary sewer.

N. J., Seaside Park—(Official)—Contract for sewers and sewage disposal plant awarded to CANTRELL CONSTRUCTION CO., 21st and Sedgely Ave., Philadelphia, Penn., at $21,892. Noted Oct. 7.

N. J., South Boundbrook—Contract for sewer system awarded to ALLEN ENGINEERING CO., Newark, at $28,020. Noted Sept. 30.

Md., Baltimore—Contracts for sewer construction awarded as follows: Contract No. 160, District No. 46, to M. O'HERRON & SONS, 843 North Howard St., Baltimore, at $41,600; contract No. 161, District No. 46, to CONTINENTAL CONTRACTING CO., 1508 Linden Ave., Baltimore, at $32,500; Contract No. 159, District No. 46, to BOYLE & LOHMULLER CO., Calvert Bldg., Baltimore, at $75,000.

W. Va., Parkersburg—Contract awarded to C. KENNEDY & SON, Parkersburg, at $6,000, for sanitary sewers in various streets. Noted Oct. 14.

N. C., Albemarle—Contract for sewer system awarded to ACME PLUMBING CO., Charlotte, at $20,079. Noted Oct. 7.

N. C., Durham—Contract for sanitary sewers, manholes and flush tanks awarded to BLANKENSHIP, McCLELLAND & MENDENHALL, Charlotte; contract for pipe to CHATTANOOGA PIPE CO., Chattanooga, Tenn. Noted Oct. 14.

Miss., Dio—Contract for sewer system awarded to O. C. EURE, Hattiesburg, at about $12,000.

Tenn., Chattanooga—Contract awarded to JOHN NOLL SR., Chattanooga, at $10,625, for extending Broad St. sewer.

Ohio, Dayton—Contract for sewers in District No. 6 awarded to WORTH & BLESSING, at $30,830. Noted Oct. 7.

Ohio, Hamilton—Contract for storm sewer awarded to JOHN H. TRUNCK, at $4,266.

Ind., Indianapolis—Contracts for sewers awarded to AMERICAN CONSTRUCTION CO., at $26,499, for sewer in Michigan St. and to GEORGE SCHAUER & SON, at $14,257, for sewer in Germania Ave. Noted Sept. 30.

Mich., Allegan—Contract awarded to H. A. HOXIE, Grand Rapids, by Board of Public Works for north side sewer.

Ill., Marion—Contract awarded to WILLIAMS & TOWNSEND, Marion, at $12,925, for sanitary sewer system.

Ill., Salem—Contract awarded to FRANK MANULLA, Niles, for sanitary sewer system. Noted Sept. 2.

Wis., Ashland—(Official)—All bids received Oct. 14 for sewers rejected. W. C. Morris, City Clk. Noted Oct. 7.

Wis., Manitowac—Contract for concrete sewer awarded to A. H. PITZ, at $5,388. Noted Oct. 21.

Iowa, Davenport—Contract awarded to ADOLPH KAHLES, for sewers in Eastern Ave.

Iowa, Elliott—(Official)—Contract awarded to WILLIAM S. DOLL, Omaha, Neb., at $5,743, for sanitary sewers. Noted Oct. 14.

Iowa, Sioux City—Contract for North Morningside, sewer system awarded to S. T. LEEDER, at about $11,000. Noted Sept. 29.

Minn., Cokato—Contract for sewer system awarded to ISTRUP & OLSON, CITY HALL, Minneapolis, at $5,150. Noted Sept. 23.

Minn., St. Paul—Contract for sanitary sewer system awarded to O'Neil & Preston, St. Paul, at $24,645, cancelled as no money is available in sewer maintenance account of general fund. Noted Oct. 7.

Mont., White Sulphur Springs—Contract awarded to J. KELLEY, Judith Gap, at $4,000, for sewer work.

Ore., Forest Grove—Contract for sanitary sewer system awarded to ELLIOTT CONTRACTING CO., Portland, at $58,448. Noted Oct. 21.

Calif., Compton—James Kennedy, Washington Bldg., Los Angeles, at $42,462, submitted lowest bid for sewer system. Noted Oct. 7.

Calif., Sacramento—Contract awarded to CONTRA COSTA CONSTRUCTION CO., at $53,164, for sewer system through Blauth tract.

Calif., Stockton—Contract for storm sewer in North, East and Madison St. awarded to A. B. MUNSON & SONS, Stockton, at $26,008.

N. S., New Glasgow—Contract for sewer in Trenton Rd. awarded to CHISHOLM & CO., New Glasgow. Noted Sept. 30.

Ont., Mimico—Contracts awarded to HARVEY STEWART & CO., Nova Scotia, at $64,493 water and sewer systems and pumping station and to F. F. FRYE, Toronto, at $15,253 for disposal plant. Noted Aug. 12.

Ont., New Toronto—Contracts awarded to HARVEY STEWART & CO., Nova Scotia, for sewer and water mains, at $59,064 and for pumping station, $5,429, to F. F. FRYE, Toronto, for sewage disposal plant at $15,253 and to ONTARIO SEWER PIPE CO., Toronto, for pipe. Noted July 29.

Ont., Toronto—See item under "Streets and Roads."

Garbage

Proposed Work

N. J., Glen Ridge—City Council received plans for garbage incinerator. Estimated cost, $13,000.

N. J., Nutley—Election will be held Nov. 2 to vote on bonds for garbage incinerator. Noted Sept. 23.

Minn., Duluth—Plans being prepared for garbage incinerator. Estimated cost, $50,000. James A. Farrell, Comr. of Pub. Wks. Noted Oct. 21.

Mo., Kansas City—Council contemplates garbage incinerator. Estimated cost, $400,000.

Bids In and Contracts Awarded

N. J., Newark—Bids received Oct. 21 by Board of Street and Water Commissioners for collecting and disposing of refuse for five years as follows: Newark Paving Co., Newark, $898,200; Henry Van der Roest, Newark, $1,298,250, and J. T. Shanley, Newark, $1,195,000. Noted Oct. 14.

STREETS AND ROADS

Proposed Work

N. Y., Albany—(Official)—Bids will be received until 1 p.m., Nov. 11, by Edwin Dulley, Comr. State Highways, for road work in various counties. (See adv.)

N. Y., Hudson—Bonds for $29,000 for streets voted.

N. Y., New York—(Borough of Brooklyn)—(Official)—Bids will be received by L. H. Pounds, Borough Pres., Room 2, Borough Hall, until 11 a.m., Nov. 4, for repairing sidewalks on various streets.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received by Marcus M. Marks, Borough Pres., Room 2032, Municipal Bldg., until 2 p.m., Nov. 5, for regulating and repaving various streets and avenues of the borough.

N. J., Camden—Board of Chosen Freeholders of Camden County plans to repave Camden-Moorestown Turnpike between 34th and 37th St.

N. J., Hackensack—Bids will be received by Board of Chosen Freeholders of Bergen County until Oct. 29 for paving portions of Essex St.

N. J., New Brunswick—(Official)—Bids will be received until 10 a.m., Nov. 9, by Asher Atkinson, City Engr., for paving seven streets with brick, asphalt block or warrenite.

N. J., Newton—Bids will be received by Board of Chosen Freeholders of Sussex County until Nov. 11 for improving a number of macadam roads. Noted Oct. 21.

Penn., Allentown—(Official)—We have been informed that the city will not receive bids for paving Howard and Tenth St. as stated in our issue of Oct. 14. C. D. Weirbach, City Engr.

Penn., Pittsburgh—Bids will be received by County Controller until 10 a.m., Oct. 29, for improving Beatty, Clinton and Frankfort Rd.

Md., Baltimore—Bids will be received by County Clerk until Nov. 3 for grading 5.21 miles of road between H. D. Gibsons and E. K. Jesses and 2.93 miles between Castle Run and Top Copper Ridge. H. P. Coleman, Richmond, State Highway Comr.

Va., Norfolk—(Official)—Bids will be received until 1 p.m., Nov. 4, by Board of Control for paving work on Granby St. W. H. Taylor, Jr., City Engr. (See adv.)

W. Va., Wellsburg—Election will be held about Jan. 1 in Brooke County to vote on $600,000 bonds for roads.

W. Va., Wheeling—Bids will soon be received for paving 13th Ave. from Fifth to Sixth St., E., Fifth St. from 13th Ave. to North Blvd., alley between Artisan Ave. Fourth, 19th and 20th St., 11th Ave. between Shelton Ave. and 16th St., 9th St. from 11th to 13th Ave.

N. C., Bryson City—Bids will be received until Nov. 1 by T. M. Howerton, Engr., for grading about 6.5 miles along Creek to Almond and nine miles of highway from Swain to Macon county line.

N. C., Franklin—Election will be held Nov. 16 in Macon County, Cowee Township, to vote on $15,000 bonds for improving a number of roads.

N. C., King—Election will be held Nov. 16 in Yadkin Township to vote on bonds for road construction.

N. C., Shelby—Citizens voted $30,000 bonds for road work in Cleveland County. Noted Sept. 23.

Fla., Ft. Myers—Citizens of Lee County voted $350,000 bonds for portion of Tamiami Trail from Ft. Myers to Dade county line.

Fla., Ft. Pierce—Bids will be received until Nov. 2 by Commissioners of St. Lucie County for hardsurfacing Fellsmere-Sebastian Rd. J. E. Fultz, County Clk. Noted Oct. 21.

Fla., Tavares—Bids will be received until Nov. 1 by J. H. Compton, Chn., Comrs. of Lake County, for 2½ miles of roadway in connection with fill and bridge across marsh at Clermont.

Fla., Titusville—Bids will be received until Nov. 9 by Commissioners of Brevard County for about 68 miles of road. Estimated cost, $150,000. S. A. Osteen, Chn.

Miss., Greenwood—Citizens voted $7,500 bonds to pave Carrollton Ave. from Yazoo & Mississippi Valley R.R. to corporate limits.

Miss., Kosciusko—Bids will be received until Nov. 1 by J. H. Oliver, Clk., County Bd. of Supervs. for sale of $50,000 bonds for roads in District No. 1.

La., Monroe—Bids will be received by H. D. Apgar, Mayor, until Nov. 5, for approximately 37,000 sq.yd. gravel with tarvia top and 24,800 ft. of curb and gutter.

Tenn., Chattanooga—Engineering Department of Hamilton County preparing estimates as to cost of constructing approximately two miles of concrete roadway on Chattanooga-Graysville pike and Chattanoogo-Dayton pike.

Tenn., Kingston—Bonds for $32,000 voted for roads and pike in Fifth District between Kingston-Rockwood pike and Hood's Landing.

Ky., Bellevue—(Newport post office)—Election will be held Nov. 2 to vote on $23,000 bonds to improve Taylor Ave. from Fairfield to Grandview Ave. Noted Oct. 21.

Ky., Morganfield—Contract will soon be awarded for constructing Uniontown and Boxville Rds.

Ohio, Cincinnati—Frank Krug, City Engr., submitted report to City Council estimating cost of improving various streets as follows: Marshall Ave. from Spring Grove to Colerain Ave., granite, $9,423; Selim Ave. from Westwood to Ilonell Ave., bituminous macadam, $21,461; brick, $28,241, granite, $38,281; Colerain Ave. from Bank to York St. and 6-in. water main asphalt, $11,084, bitulithic, $11,474.

Ohio, Granville—(Official)—Bids will be received by Roe E. Morrow, Village Clk., until noon, Oct. 28, for draining, curbing and paving Broadway St. from east corporation line to west corporation line. (See adv.)

Ohio, Newark—Bids will be received by W. C. Christian, Dir. of Pub. Ser., until noon, Oct. 29, for paving roadway of Park Ave. and resurfacing Hudson Ave.

Ohio, Zanesville—(Official)—Election will be held Nov. 2 to vote on $22,250 bonds for paving. Noted Oct. 14.

Ind., Bloomfield—Bids will be received by Commissioners of Greene County until 2 p.m., Nov. 2, for macadamized road in Fairplay Township. G. E. Kidd, Audr.

Ind., Bloomington—Bids will be received by Commissioners of Monroe County until 2 p.m., Nov. 2, for roads in Van Buren and Washington Townships. W. F. Kinser, Audr.

Ind., Danville—Bids will be received by Commissioners of Hendricks County until 10:30 a.m., Nov. 5, for roads in Center and Middle Townships. L. W. Borders, Audr. Noted Sept. 9.

Ind., Delphi—Bids will be received by Commissioners of Carroll County until 12 a.m., Nov. 2, for constructing roads in Jefferson, Deer Creek, Monroe and Rock Creek Townships. M. G. Haun, Audr. Noted Sept. 9.

Ind., Evansville—Bids will be received by Commissioners of Vanderburgh County until 10 a.m., Nov. 4, for macadam road in Pigeon Township. C. P. Beard, Audr.

Ind., Ft. Wayne—Bids being received for paving Rudisill Ave. from Calhoun St. to Broadway.

Ind., Fowler—Bids will be received until 1 p.m., Nov. 1, by Commissioners of Benton County, for road in Balboa Township. W. Mankey, Audr.

Ind., Goshen—Bids will be received until 2 p.m., Nov. 1, by Commissioners of Elkhart County, for concrete road in Harrison Township. John W. Brown, Audr. Noted Sept. 16 and Oct. 14.

Ind., Greencastle—Bids will be received until 2 p.m., Nov. 1, by Commissioners of Putnam County, for macadam road in Greencastle Township.

Ind., Greensburg—Bids will be received by Commissioners of Decatur County, until 1 p.m., Nov. 1, for road in Washington Township. L. W. Sands, Audr.

Ind., Indianapolis—Board of Public Works plans to pave South Capitol Ave. between Merrill and McCarty St. Estimated cost, $10,694.

Ind., Martinsville—Bids will be received until 12 a.m., Nov. 2, by Commissioners of Morgan County for road in Brown Township. S. Watson, Audr.

Ind., Muncie—Bids will be received by F. M. Williams, Audr., Comrs. of Delaware County, until 10 a.m., Nov. 3, for two roads in Liberty Township.

Ind., New Albany—Bids will be received until 10 a.m., Nov. 11, by Commissioners of Floyd County for constructing 10,200-ft. of road in New Albany Township.

Ind., Noblesville—Bids will be received by Commissioners of Hamilton County until 10 a.m., Nov. 2, for constructing roads in Fall Creek, Wayne, Washington and Noblesville Townships. W. O. Horton, Audr.

Ind., Peru—Bids will be received by Commissioners of Miami County until 12 a.m., Nov. 8, for concrete road in Peru Township. F. K. McElheny, Audr.

Ind., Petersburg—Bids will be received until 2 p.m., Nov. 2, by Commissioners of Pike County, for rock road in Jefferson Township. John D. Gray, Audr.

Ind., Plymouth—Bids will be received until 1:30 p.m., Nov. 2, by Commissioners of Marshall County, for three roads in German Township. G. F. McCoy, Audr.

Ind., Shelbyville—Bids will be received until 10 a.m., Nov. 3, by F. W. Fagel, Audr., Comrs. of Shelby County, for two roads in Washington Township.

Mich., Houghton—County Board of Supervisors will ask for an appropriation of approximately $100,000 for roads in 1916.

Mich., Reeman—Citizens voted $35,000 bonds for gravel road in Sheridan Township.

Ill., Des Plaines—Bids will be received about Nov. 1 by John A. Bell, City Clk., for 4,500 sq.yd. of concrete pavement. Noted Oct. 14.

Ill., Springfield—(Official)—Bids will be received at office of State Highway Commission until 11 a.m., Nov. 3, for approximately 4,140 ft. of State Aid Highway in Sangamon County. Estimated cost, $14,460.

Kan., Marysville—Bids will be received by R. F. Gallup, County Engr., until noon, Nov. 4, for grading ¾ mile of road.

Kan., Pittsburg—Citizens contemplate rock road between Pittsburg and Kansas City.

Kan., Topeka—Contract will be awarded about next spring for paving Kent Rd. Work includes about 23,000 sq.yd. of pavement and curbing. Walter J. Arnold, County Engr.

Mo., Bolivar—Election will be held Nov. 2 in Polk County, Humasville Special Eight Mill Road District, to vote on $30,000 bonds for road improvements.

Mo., Higginsville—Contract will soon be awarded for about eight blocks of vertical fiber brick pavement on concrete base and 1¼ miles curb and gutter.

Mo., Jefferson City—(Official)—Election will be held Nov. 9 to vote on $100,000 bonds for roads. Noted Sept. 2 and Oct. 7.

Mo., Kansas City—Property owners contemplate reducing grade on Main St. Estimated cost between $150,000 and $200,000. Curtis Hill, City Engr.

Mo., Pittsville—Citizens contemplate rock road across Johnson County.

Mo., Springfield—All bids received for nine miles of roads in Ingram Special Road District rejected. New bids will be received. Estimated cost, $20,000.

Tex., Batesville—(Official)—Citizens voted $15,000 bonds for road improvements in Zavalla County. Noted Oct. 7.

Tex., Beaumont—Bids will be received about Nov. 19 for 11 miles of road between Hardin, Liberty and Jefferson Counties.

Tex., Belton—Road bonds for $250,000 for roads in Bell County Road District No. 10 approved by Attorney General, Austin.

Tex., Columbus—Report has been submitted estimating cost of 49 miles of gravel road between Houston and San Antonia at $100,000.

Tex., Corsicana—Citizens voted $80,000 bonds for street improvements. Noted Sept. 23.

Tex., Dallas—Bryan Parkway will be paved between Greenville Rd. and Munger Blvd.

Tex., El Paso—Citizens of El Paso County voted $300,000 bonds for road work. Noted Sept. 23.

Tex., Orange—Election will be held Nov. 20 in Precinct No. 4 to vote on $50,000 bonds for roads and bridges.

Tex., Rusk—Election will be held Nov. 16 in Cherokee County Road District No. 1 to vote on $150,000 bonds for road construction.

Okla., Clinton—City has postponed paving Frisco Ave. indefinitely. Noted Oct. 7.

Okla., Okmulgee—City Commissioners plan an expenditure of about $50,000 for paving South Morton Ave., South Okmulgee and South Alabama St.

Idaho, Lewiston—Citizens of Nez Prece County, Road District Nos. 3 and 26 voted to construct road from Lewiston to Washington State line, about 11 miles.

Wash., Aberdeen—City Council plans an expenditure of about $16,000 for improving Curtis St.

Wash., Coquille—Contract will soon be awarded for Coos Bay-Coquille Rd. Estimated cost, $35,000.

Wash., Seattle—Commissioners of King County will soon award contract for grading and graveling 1½ miles of highway east of Enumclaw to connect with McClellan Pass Highway and for two miles of highway between Newport and Hazelwood.

Wash., Spokane—County Commissioners will soon award contract for 35 miles of roads.

Ore., Portland—Plans being considered for extending William Ave. from connection with railway bridge and Broadway Bridge to Interstate Bridge. Estimated cost, $70,000.

Ore., Salem—State Highway Commission has appropriated $175,000 for improving highways in Wasco, Crook, Columbia and Jackson Counties.

Calif., Arcadia—Bids will be received by George E. Grimes, City Clk., until Nov. 4, for about 16 miles of oiled macadam roadway and 10,000-ft. of concrete curb and gutter. Noted Oct. 23.

Calif., Bakersfield—Bids will be received by County Board of Supervisors until Nov. 1 for paving one mile of Brundage Lane and three miles of Bellview Rd.

Ont., Ottawa—An expenditure of $600,000 planned for macadam highway to St. Lawrence River, the cost to be borne by the city, government and towns and villages through which it will pass.

Ont., York—Bids will soon be received for paving Lauder and Glenholme Ave. Estimated cost, $8,000. F. Barber, 57 Adelaide St., E., Toronto, Engr.

Alta., Beverly—By-law will be voted on Nov. 6 to provide $10,000 for clearing and grading streets.

Bids In and Contracts Awarded

Mass., Boston—Bids were received by State Highway Commission for asphalt macadam road in Grafton and Upton as follows: Perini Construction Co., Ashland, $48,103; Charles E. Horne, Millbury, $50,056; Alco Contracting Co., Boston, $54,471.

Mass., Taunton—(Official)—City will pave a number of streets by day labor. Estimated cost, $14,300. Noted Oct. 14.

N. Y., Herkimer—Lowest bid received for road from Eagle Bay to Big Moose was that of B. F. S. Co., Herkimer, at $48,803.

N. Y., New York—(Official)—(Borough of Bronx)—Contracts for paving awarded as follows: Powell Ave. from Tremont to Zerega Ave. to BURNSIDE CONTRACTING CO., at $12,105; Walker Ave. from intersection of Westchester Ave. and former Main St. to easterly terminus of land acquired for West Farms Rd. to Eastern Blvd., to ANABEL CONSTRUCTION CO., at $76,333; Rosedale Ave. and Kingsbridge Terrace to MUNICIPAL ASPHALT CO., at $5,124 and $2,333 respectively. Noted Oct. 21.

N. Y., New York—(Borough of Brooklyn)—(Official)—Lowest bids for improving Bridge St. from Sands to Nassau St. and regulating, grading, curbing and laying sidewalks on Ditmas Ave. from East 87th St. to Ralph Ave., Ralph Ave. from northeasterly side of 85th St. to Old Canarsie Ave. and East 83rd St. from Ditmas Ave. to Old Canarsie Ave. submitted by Charles A. Myers Construction Co., at $6,804 and M. T. Maher, at $9,932.

N. Y., New York—(Borough of Manhattan)—(Official)—Low bids received Oct. 19 for improving various streets and avenues of the city were as follows: 27th St. from Lexington to Madison Ave., 39th St. from Park Ave. to Broadway and from 8th to 11th Ave., 65th and 66th St. from Amsterdam to West End Ave., Aztec Asphalt Co., Inc., 90 West St., New York, at $7,084, $36,686 and $12,663 respectively; 95th St. from Madison to Fifth Ave., Cleveland Trinidad Paving Co., Flushing, N. Y., at $3,563; 35th St. from West Side of Madison Ave. to East Side of Sixth Ave., 37th St. from First to Second Ave., 38th St. from Madison to Sixth Ave., Sicilian Asphalt Paving Co., 41 Park Row, New York, at $9,076, $5,598 and $8,816 respectively; 124th St. from First to Third Ave., Columbus Ave. from 84th to 96th St., Barber Asphalt Paving Co., Woolworth Bldg., New York, at $9,776 and $36,319 respectively; Eighth Ave. from 119th to 125th St. and from Seventh to Eighth Ave., Asphalt Construction Co., 298 Broadway, New York, at $50,767; Perry St. from Greenwich to West St., W. J. Fitzgerald, 547 West 45th St., at $9,509; 179th St. from Northern to New Haven Ave., Barber Asphalt Paving Co., Woolworth Bldg., New York, at $2,579. Noted Oct. 14.

N. Y., New York—(Borough of Manhattan)—(Official)—Contract for regulating and repaving East 18th St. from Broadway to Fourth Ave. awarded to W. J. FITZGERALD, 547 West 45th St., New York, at $5,412. Noted Oct. 21.

N. Y., New York—(Borough of Queens)—(Official)—Low bids received Oct. 5 for improving Jerome Ave. from Boyd to Greenwood Ave. and South Ave. from New York Ave. to Rockaway Turnpike were from William T. Maxwell and Peace Bros., for furnishing and delivering 200,000 gal. of road oil from Warner-Quinlan Asphalt Co. Noted Sept. 30.

N. J., Newark—Contract for paving North Sixth St. awarded to GLENFIELD CONSTRUCTION CO., at $8,332. Noted Sept. 23 and Oct. 14.

N. J., Newark—Contract for improving Essex Ave. from Summit to Warren St. awarded to W. T. CHRITCHFIELD, Jersey City, at $23,850. Noted Sept. 30 and Oct. 14.

N. J., Newark—Contract for paving Lyons Ave. awarded to NORTHERN CONSTRUCTION CO., Newark, at $62,970.

Del., Wilmington—Contract for stone road on Kennett Pike awarded to I. J. HOLLINGSWORTH, Elsmere, at $17,494. Noted Oct. 7.

Md., Salisbury—Contract for two miles of State-Aid highway upon or along Salisbury-Anderson's Hill Rd. awarded to JUNIATA CO., 410 Empire Bldg., Philadelphia, Penn., at $13,035. Noted Oct. 7.

W. Va., Adamston—(Official)—Contract for grading, paving and curbing Pike St. awarded to SISLER & MORSE, Marietta, Ohio. Noted Oct. 14.

W. Va., Moundsville—Contract for improving Grant Ave. and Fourth St. awarded to STRINGER & SPRINGER, Wheeling at about $7,000. Noted Oct. 7.

Tenn., Blountville—Contract for grading, draining and macadamizing roads awarded to PATTON BROS., Bluff City.

Ky., Newport—(Official)—Contract for paving Tenth St. awarded to SCHOOLFIELD & JONES, Newport, at $9,478. Noted Oct. 14.

Ky., Williamsburg—Contract for road from Williamsburg to McCreary County line, about 12 miles, awarded to A. CARSON, Knoxville, Tenn.

Ohio, Bexley—Contract for paving Main St. awarded to GEORGE H. HEFFNER & SON, Celina, at $37,375.

Ohio, Cincinnati—(Official)—Contract for improving West Sixth St. awarded to HENKEL & SULLIVAN, Cincinnati, at $80,918. Noted Oct. 7.

Ohio, Cincinnati—(Official)—Contract for improving Wayne Ave. from Stewart Ave. to Martin Rd., Springfield Township, awarded to PAUL MENGER, Cincinnati, at $6,770. Noted Sept. 30.

Ohio, Columbus—Lowest bids received by County Commissioners for improving various roads were as follows: Frantz Rd. in Washington Township, R. W. McCoy, Columbus, at $5,971; McCoy Rd., Perry Township, J. M. Snouffer, Columbus, at $10,311; Miller Rd., Perry Township, Wilson Contracting Co., Newark, at $5,028; Ryan Ave., Franklin Township, Highway Contracting Co., Columbus, at $5,275; Cambridge Rd., Perry Township, Wilson Construction Co., at $8,350. Noted Sept. 23.

Ohio, Toledo—Contract for repaving Ontario St. awarded to H. P. STREICHER CO., at $30,186.

Ind., Bedford—Contract for Bedford-Oolitic Rd. and concrete bridge across Salt Creek awarded to EWING SHIELDS, Seymour, at $61,916.

Ind., La Porte—Contract for Schultz Rd. in Dewey Township awarded to LOUIS MARTINE, at $12,424.

Ind., Vincennes—Contract for two roads awarded to W. E. RUBLE and K. JESSE WILLIAMS, at $4,200 and $2,190 respectively.

Ind., Vincennes—Contract for W. C. Secrest gravel road awarded to W. L. ENSLEY, at $8,114.

Ind., Winamac—Contract for gravel road awarded to JOHN W. BLAIR, Winamac, at $8,265.

Ill., Alton—Contract for paving Summit, Mill and West Fourth St. awarded to M. BURKE, Alton, at $17,493.

Minn., Hibbing—Contract for Malmquist Rd. awarded to G. MALMQUIST.

Minn., Little Falls—Contract for repairing road along line between Little Falls and Belle Prairie awarded to C. A. MATHEWSON.

Minn., Thief River Falls—(Official)—Contract for gravel-ing State Rd. No. 1 awarded to M. BANUT & CO., St. Cloud, at $8,169. Noted Oct. 14.

Kan., Concordia—Contract for 40,000 sq.ft. of sidewalks awarded to FRANCOUER BROS.

Mo., Kansas City—Contract for paving West 14th St. awarded to J. E. WELSH, 1122 East Gillham St., Kansas City, at $5,358; South Woodland Ave. to WILLIAM HARTE, 311 Midland Bldg., Kansas City, at $6,646.

Mo., St. Joseph—Contract for paving 11th St. from Powell to Grand Ave. awarded to YOUNG BROS. CONSTRUCTION CO., at $15,662.

Ark., Conway—Contract for approximately 13,000 sq.yd. of paving in District No. 4 awarded to McCULLOCH & HALTER, Conway, at 89c. per sq.yd.

Tex., Marshall—Contract for paving East Houston Ave. from Lafayette to Albert St. awarded to B. HAHN CONSTRUCTION CO., Dallas.

Tex., Terrell—Contract for 12,000 yd. rock asphalt paving awarded to B. HAHN CONSTRUCTION CO., Paris. H. T. Brewster, Terrell, Engr.

Idaho, Boise—(Official)—Contract for seven miles of Idaho-Pacific State Highway awarded to WHITTET & RELYEA, New Plymouth, at $6,000. Noted Oct. 7.

Wash., Olympia—W. G. Mulligan Co., Spokane, at $21,120, submitted lowest bid for seven miles of highway from Colfax to Rosalia, Whitman County, and General Construction Co., Spokane, at $13,243, low bidder for road on Inland Empire highway in Walla Walla and Columbia Counties between Waitesburg and Dayton.

Calif., Arcadia—(Official)—All bids received Oct. 7 for 16 miles of oiled macadam road and 10,000-ft. concrete curb and gutter rejected. Noted Sept. 30 and Oct. 21.

Calif., Los Angeles—Contract for improving Fourth St. from Boyle Ave. to Fresno St. awarded to FAIRCHILD-GILMORE-WILTON CO., at $50,675.

Calif., Sacramento—Contract for Hood-Franklin highway awarded to CLARK & HENERY, Stockton, at $26,000. Noted Sept. 23.

Calif., Santa Ana—Contract for improving Garden Grove Rd. awarded to O. & C. CONSTRUCTION CO., at $9,400.

Ont., Toronto—Contracts for paving and sewer construction awarded as follows: Paving Main St. to GODSON CONTRACTING CO., at $20,572; Quebec, Bridgman and Wells St to CONSTRUCTING & PAVING CO., at $23,312 and $5,641 respectively; Alberta and Bridgman St. and Goldsmith Drive to R. C. HARRIS, COMR. OF WKS., at $38,392; Pelham St. to BRAYLEY & NICHOLSON, at $6,831; Alton St. and Grace Terrace to WARREN BITUMINOUS PAVING CO., at $30,696; sewers on Chambers and Howick St. to LONGO & GENTILE, at $1,580; Lansdowne Ave. to J. MAGUIRE, at $1,869; Silverthorne and Turnberry St. to R. C. HARRIS, at $4,638.

INDUSTRIAL WORKS

Proposed Work

Mass., Boston—Vacuum Fumigating Co. will build fumigating plant to fumigate foreign cotton.

Mass., Brockton—George E. Keith Shoe Co. will build chemical laboratory near Auburn St. Estimated cost, $45,000.

Mass., Worcester—Packard Motor Car Co. will build garage, repair shop and sales room on Atchison St. Estimated cost, $60,000. Allan Davis, Local Mgr.

R. I., Pawtucket—George A. Cummings will build two-story brick laundry 49x136 ft. on Pawtucket Ave.

Conn., Hartford—Plans prepared for factory for Colt's Patent Fire Arms Mfg. Co. Estimated cost, $400,000.

Conn., Waterbury—Waterbury Farrell Foundry & Machine Co. has plans for two-story, 75x150-ft. mill building.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids being received for one-story, 75x100-ft. brick and steel ice-storage plant at 514 East 71st St. for Ice Mfg. Co., 1480 Broadway. Morteson & Co., 405 Lexington Ave., Arch. Estimated cost, $45,000.

N. Y., New York—(Borough of Queens)—Mirror Film Co. will build motion picture plant at Glendale Casino Park, Woodhaven.

N. Y., Rochester—Plans prepared for two-story 43x100-ft. and five-story, 80x165-ft. additions to plant of Eastman Kodak Co. Noted Oct. 7.

N. Y., Troy—Cluett Peabody Co., Inc., will rebuild its factory. Eight-story, 70x100-ft. building will be constructed first. Entire structure 75x600-ft. Estimated cost, $2,000,000.

N. Y., Yonkers—Reliance Motion Picture Corporation plans studios, power house and shops at 537 Riverdale Ave. Estimated cost, $40,000.

N. J., Bayonne—(Official)—Texas Co. will build service plant by own forces. Noted Oct. 7.

N. J., Bloomfield—Scott & Bowne Co., Orange St., plans addition. Estimated cost, $40,000.

N. J., Newark—Clark Razor Blade Co. will build eight-story factory at 205 New Jersey Railroad Ave. Estimated cost, $50,000.

N. J., Trenton—F. W. Devoe & C. T. Reynolds Co., 213 New Jersey Railroad St. will make additions to its varnish plant. Estimated cost, $25,000.

Penn., Philadelphia—Sauer & Hahn, Arch., preparing plans for four-story, 54x100-ft. brick and concrete factory at 1220 Spring St. for M. Rice & Co., 1220 Race St.

Penn., Philadelphia—H. O. Wilbur & Sons, Inc., will build six-story 130x100-ft. factory and warehouse at 245 North Third St.

Penn., Pittsburgh—Henry Cohen, Charlestown, W. Va., will build five-story warehouse at 1139 Penn Ave. Walter Cohen, Arch. Estimated cost, $50,000.

Penn., Wilkes-Barre—Bids will soon be received by Sturdevant & Poggi, Coal Exchange Bldg., for one- and two-story machine shop, etc., for Lehigh & Wilkes-Barre Coal Co. Estimated cost, $250,000.

Md., Mount Airy—Bids being received by Bachman Shirt Co. for two-story, 200x400-ft. factory.

Va., Norfolk—Bids will soon be received for 90x107x84-ft. brick and steel garage for R. A. Roethke. Herbert W. Simpson, Arch.

Va., Roanoke—Citizens' Crystal Ice Co. will build cold-storage warehouse.

W. Va., Dunbar—American Vacuum Can Co. plans 150x200-ft. brick and steel plant. Estimated cost, $400,000. U. G. Fletcher and F. P. Groscup, interested.

W. Va., Lumberport—Mound City Cut Glass Co. will build 60x240-ft. factory. T. J. Sullivan, Clarksburg, interested.

W. Va., Welch—I. J. Rhodes, and others will build three-story and basement, brick garage.

N. C., Wilson—Atlantic Coast Line R.R. contemplates warehouse, 60x500-ft. E. B. Pleasant Wilmington, N. C., Ch. Engr.

Ga., Douglas—J. S. Scott will build warehouse. Estimated cost, $10,000.

Fla., Tampa—Wilson & Toomer Fertilizer Co., Jacksonville, plans plant at Tampa. Estimated cost, $125,000.

La., New Orleans—Bids will be received until Nov. 9 by city for asphalt plant at municipal repair plant. A. G. Ricks, Comr. Dept. Pub. Finances.

Ky., Ashland—Norton Iron Works will build coke byproduct plant.

Ky., Winchester—John W. Crone, Winchester, prepared plans for warehouse for Winchester Tobacco Warehouse Co. Estimated cost, $20,000.

Ohio, Carthage—(Cincinnati post office)—Pollock Steel Co. will build addition. Estimated cost, $10,000.

Ohio, Cincinnati—Modern Foundry Co. will build addition. Estimated cost, $10,000.

Ohio, Cincinnati—(Official)—Bids will be received about Nov. 1 by B. T. Wisenall, First National Bank Bldg., for ice plant at Price and Elberon Ave. for City Ice Delivery Co. Noted Oct. 14.

Ohio, Cleveland—Art Metals Mfg. Co. will build factory on East 61st St. Robert Cochran, Pres. Estimated cost, $10,000.

Ohio, Cleveland—S. H. Goldfein, Reserve Trust Bldg., prepared plans for three-story brick and steel factory for Miller & Becker Co., 5908 Woodland Ave. Estimated cost, $25,000.

Ohio, Columbus—(Official)—Bids will be received until Nov. 15 by Joseph N. Bradford, Ohio State University, for two-story shop building. Noted Oct. 14.

Ohio, Dayton—Heitman Co. plans 65x300-ft. cigar factory on North Dayton St. Estimated cost, $20,000.

Ohio, Mansfield—Mansfield News will build four-story addition on West Fourth St.

Ohio, Toledo—Toledo Machine & Tool Co. will build 100x400-ft. addition. Estimated cost, $200,000.

Ohio, Urbana—Urbana Packing Co. will make improvements. Estimated cost, $25,000. H. J. Rasmussen, Mgr.

Ohio, Youngstown—Youngstown Car Mfg. Co. contemplates addition to its plant on Wilson Ave. William Wilkoff, Pres.

Ind., Indianapolis—Packard Motor Car Co. will build five-story service station at 2340 Indiana Ave. Estimated cost, $125,000.

Ind., Marion—Plant of Sheron Drain Tile Co., recently destroyed by fire, will be rebuilt. Estimated cost, $30,000.

Mich., Flint—Chevrolet Motor Co., will build factory for manufacture of automobiles.

Mich., Flint—Flint Varnish Works plans factory addition. W. W. Mountain, Pres. and Gen. Mgr.

Mich., Muskegon—Campbell-Wyant & Cannon Co. has plans for foundry at Muskegon Heights. Estimated cost, $100,000.

Mich., Port Huron—Grand Trunk Ry. plans car repair shops. Estimated cost, $200,000.

Ill., Beardstown—Schultz, Baujan & Co. will build six-story, 35x100-ft. mill. Estimated cost, $50,000.

Ill., Chicago—Drying kilns of Chicago Maple & Oak Flooring Co., 2259 South Ashland Ave., recently destroyed by fire will be rebuilt. Estimated cost, $100,000.

Ill., Chicago—Chicago Steel Foundry Co., 3701 South Kedzie Ave. will build one-story, 120x150-ft. foundry. Julius Floto, Arch. Estimated cost, $20,000.

Ill., Peoria—Chic Mfg. Co. will build three-story and basement, 60x180-ft. factory at Adams and Maple St. Estimated cost, $40,000.

Wis., Menasha—International Wire Works Co., recently incorporated with $35,000 capital, will purchase Menasha Baseball Park and build plant.

Wis., Milwaukee—Hartman Machine Co. plans one- and two-story, 60x120-ft. factory at 29th St. and Meinecka Ave. Herbst & Hufschmidt, Arch.

Iowa, Sioux City—Henry F. Weare, Commercial Bldg., will build two-story garage. Estimated cost, $18,000. Paul C. Howe, Arch.

Minn., Duluth—Booth Fisheries Co. plans six-story cold storage warehouse on Lake Ave. S.

Minn., Minneapolis—Price Cereal Co. will build addition to its factory at 13th Ave. and Jackson St. Estimated cost, $60,000.

Minn., St. Paul—Sperry Realty Co. will build garage at Temperance and Jackson St. Estimated cost, $27,000.

Kan., Hutchinson—John Shire, Burrton State Bank Bldg., contemplates salt plant. Estimated cost, $25,000.

Kan., Wichita—Dunn Bros. Mercantile Co., 724 Main St., will build two-story reinforced-concrete warehouse.

Neb., Atkinson—Bids will soon be received for one-story and basement garage for E. McMonies. William V. Kerhan, 17th and Farnam Ave., Arch. Estimated cost, $15,000.

Mo., Jefferson City—Standard Oil Co. plans business building, warehouse and garage.

Mo., St. Louis—Preliminary plans prepared by Arthur G. McKee & Co., Engr., Cleveland, Ohio, for blast furnace for Missouri Iron Co. Estimated cost, $500,000.

Mo., Springfield—Western Cartridge Co. will build plant near Springfield. Estimated cost, $400,000.

Tex., Dallas—Linde Air Products Co., New York, N. Y., will build plant in South Dallas.

Tex., El Paso—O. H. Thorman & Co., prepared plans for three-story, 104x120-ft. warehouse for John Mulligan. Estimated cost, $55,000.

Tex., Marshall—Texas & Pacific Ry. will rebuild its shops recently destroyed by fire with loss of $1,000,000.

Tex., Temple—Clarence Webb and J. V. Clements will build garage at estimated cost of $20,000.

Colo., Loveland—Larimer County Coöperative Milk Condensery Co. will build factory. Estimated cost, $33,000.

Colo., Sugar City—National Sugar Mfg. Co. contemplates alfalfa mill.

Utah, Logan—Ogden, Logan & Idaho Ry. Co. plans car barns, repair shops, freight yards and passenger station. Estimated cost, $200,000.

Ariz., Gilbert—Lamara Alfalfa Milling Co. of Colorado plans alfalfa mill. Estimated cost, $15,000.

Ore., Astoria—Bids will soon be received by Newell, Gossett & Walsh, Spaulding Bldg., Portland, for superstructure for grain elevator for Port of Astoria Commission. Noted Oct. 14.

Ore., Willbridge—(Portland post office)—Shell Oil Co. will build addition.

Calif., Los Angeles—New York Motion Picture Co. will build motion picture plant at Culver City, near Los Angeles. Thomas H. Ince, Mgr. Estimated cost, $20,000.

N. B., Nelson Reserve—Frasers Ltd., Carlton St., Fredericton, N. B., contemplates sawmill at Nelson. Estimated cost, $80,000.

Ont., Hamilton—Mercury Mills, Ltd., 80 Park St., N., will build factory. Estimated cost, $250,000.

Sask., Ryerson—Saskatchewan Coöperative Elevator Co. will build grain elevator. Estimated cost, $10,000.

B. C., Port Moody—Port Moody Steel Works, Ltd., plans steel plant.

Bids In and Contracts Awarded

N. H., Keene—Contract awarded to JOSEPH A. GENN, Fall River, Mass., for 90x200-ft. factory for Wilkins Toy Co. Noted Sept. 30.

Conn., Bridgeport—(Official)—Contract awarded to DOWLING & BOTTOMLAY, Bridgeport, at about $25,000, for two-story, 87x78-ft. bakery for Bridgeport Bread Co.

Conn., New London—Contract awarded to H. R. DOUGLAS, Inc., for two- and three-story, 80x180-ft. factory for New London Ship and Engine Co.

Conn., Norwich—Contract awarded to ARCHIBALD TORRANCE, by Shetucket Co. at about $75,000, for two-story brick weave shop. Noted Oct. 21.

N. Y., New York—(Borough of Manhattan)—(Official)—Among those figuring on one-story storage building at 438 West 18th St. for Consolidated Gas Co., 4 Irving Pl., are John T. Brady & Co., 103 Park Ave., McDermott & Hanigan, 103 Park Ave. and Frank Seery, 30 East 42d St. J. S. Maher, 431 West 14th St., Arch. Estimated cost, $20,000.

N. J., Jersey City—(Official)—Contract awarded to TURNER CONSTRUCTION CO., 11 Broadway, New York, N. Y., by Standard Oil Co. of New Jersey for three-story kiln building.

Penn., Monessen—Contract awarded to McCLINTIC MARSHALL CONSTRUCTION CO., Pittsburgh, at about $225,000, by Pittsburgh Steel Products Co. for addition to specialty department and another addition.

Penn., Philadelphia—Contract awarded to HERMAN VOIGHT, 26th and Thompson St., for two-story, 36x190-ft. garage for Finnesey & Kobler.

Md., Sparrows Point—(Baltimore post office)—Contracts awarded to RAYMOND CONCRETE PILE CO., Munsey Bldg., Baltimore, at $50,000, for concrete piling and foundation and to P. J. CUSHEN, 217 St. Paul St., for superstructure for machine shop for Maryland Steel Co. Estimated cost, $400,000. Noted Aug. 5.

W. Va., Charleston—Contract awarded to GEORGE BROS., Winchester, Va., by International Fruit Products Co., Baltimore, Md., for cider and vinegar plant. W. W. Clous, State Bank of Maryland, Baltimore Md., Pres.

N. C., Albemarle—Efird Mfg. Co. awarded contract to HOLDBROOKS & BRADSHAW, Salisbury, N. C., at about $500,000, for two-story, 107x360-ft. mill addition.

N. C., Winston-Salem—Contract for six-story 156x243-ft. reinforced-concrete building for R. J. Reynolds Tobacco Co., awarded to GENERAL FIREPROOFING CO., Pittsburgh, Penn. Estimated cost, $100,000.

Ala., Andalusia—Contract awarded to R. V. LaBARRE, Birmingham, at about $70,000, for packing plant for Andalusia Packing Co.

La., Henderson—Contract awarded to GARSON BROS., at about $40,000, for rebuilding machine shops of W. K. Henderson Iron Works & Supply Co.

Ohio, Cleveland—Contract awarded to J. T. RICHARDS CO., 822 Citizens Bldg., Cleveland, at $15,000 for factory at 3695 East 78th St. for C. Greve.

Ohio, Cleveland—Contract awarded to JAMES H. WELLS, Marshall Bldg., at about $60,000, for three-story service building at Euclid Ave. and East 20th St. for Hudson Stuyvesant Motor Co. Noted Sept. 30.

Ohio, Cleveland—Contract awarded to UHL JASTER CO., 1900 Euclid Ave., at about $100,000, for six-story warehouse on Rockwell Ave. for W. M. Pattison Supply Co., 215 East St. Clair Ave. Noted Sept. 2.

Ohio, Cleveland—Contract awarded to J. C. CAMPBELL CO., Cleveland, for one-story, 105x382-ft. addition to plant of Perfection Spring Co., Central and East 65th St. Noted Oct. 21.

Ohio, Cleveland—Contract awarded to CROWELL-LUNDORFF-LITTLE CO., 1951 East 57th St., at $180,000, for five-story, 60x500-ft. factory on West 73d St. for Standard Welding Co. Noted Oct. 14.

Ohio, Marion—Contract awarded to MT. VERNON BRIDGE CO., Mt. Vernon, for mill for Interstate Iron & Steel Co. Noted Oct. 7.

Ohio, St. Bernard—(Cincinnati post office)—Contract awarded to McGARVEY & CO., Gerke Bldg., Cincinnati, at about $21,000 for three-story, 100x140-ft. addition to factory of Emery Candle Works.

Ind., Thorntown—Contract awarded to GEORGE DAFENSPECK, Carmel, at $20,000 for serum plant for Indiana Swine Breeders Association.

Mich., Owosso—Contract awarded to WORDEN-ALLEN CO., 72 West Adams St., Chicago, Ill., at $60,000, for addition to plant of American Malleable Co. Noted Oct. 21.

Ill., Alton—State Board of Administration awarded contracts for buildings at Alton State Hospital as follows: Bakery to A. W. STOOLMAN, Champaign, at $17,820; laundry to J. MOROFF & SON, Bradley, at $30,248; kitchen, store and dining room building to M. A. VOORHEES CONSTRUCTION CO., Alton, at $71,600.

Iowa, Des Moines—Contract for concrete and brick factory for New Monarch Machine Co. awarded to J. E. LUSANT & SON, Seventh and Chestnut St., Des Moines, at $11,000. Noted Oct. 14.

Neb., Omaha—Contract awarded to JOHNSON BROS., CO., Omaha, at about $30,000, for warehouse at 208 South Tenth St. for Swenson Bros.

Mont., Three Forks—Contract awarded to GLOBE CONSTRUCTION CO., Lewistown, for flour mill for Three Forks Milling Co.

Mo., Kansas City—Contract awarded to SWENSON CONSTRUCTION CO., 625 Finance Bldg., Kansas City, at $180,000, for superstructure of eight-story building at 20th and Grand Ave. for Firestone Tire & Rubber Co., Akron, Ohio.

Mo., St. Joseph—Contract awarded to BURREL CONSTRUCTION & ENGINEERING CO., Chicago, Ill., at $23,000, by Chicago, Burlington & Quincy R.R., for grain elevator. T. E. Calvert, Chicago, Ill., Ch. Engr.

Mo., St. Louis—Contract awarded to GAMBLE CONSTRUCTION CO., at $18,000, for warehouses at 3960 Duncan St., for J. Haniels Distilling Co.

Tex., Dallas—Contract awarded to C. C. GATEMAN & SON, Dallas, for two-story garage for L. C. Morris, El Paso. Estimated cost, $32,000.

Ore, Portland—Contract awarded to CAMP & DUPUY by W. C. Glafke & Co., at about $30,000, for two-story concrete commission house. Noted Sept. 9.

Ont., Ottawa—Contract awarded by Ottawa Dairy Co., Cooper St. to K. W. SHANTZ, care of Wegnier Machine Co., Perry and Mississippi St., Buffalo, N. Y., at $15,000 for ice making plant.

FEDERAL GOVERNMENT WORK

Proposed Work

Va., Front Royal—Fire station—Bids will be received by Constructing Quartermaster until 2 p.m., Nov. 15, for fire station at Remount Depot, Front Royal.

Ohio, Cincinnati—Abutments—Bids will be received until Nov. 1 at U. S. Engineer office, Room 415, Custom House, for reconstructing in concrete part of abutments at Dam No. 1, Muskingum River, Ohio.

Mich., Muskegon—Post Office and Custom House—Bids will be received by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., until 3 p.m., Nov. 29, for U. S. post office and custom house at Muskegon.

Tex., El Paso—Canal Work—Bids will be received at office of U. S. Reclamation Service, Mills Bldg., El Paso, until 2 p.m., Nov. 17, for excavation of Leasburg canal, Picacho branch canal and San Elizario feed canal.

Okla., Lawton—Grading—Bids will be received by Andrious A. Jones, First Asst. Secy., Dept. of Interior, Washington, D. C., until 2 p.m., Nov. 17, for grading Gore Blvd.

Colo., Ft. Logan—Building—Bids will be received until 11 a.m., Nov. 15, at office of Depot Quartermaster, Ft. Logan, for constructing basements under non-commissioned officers' quarters.

Ore., Salem—Building—Bids will be received by Cato Sells, Comr., Indian Affairs, Dept. of Interior, Washington, D. C., until 2 p.m., Nov. 15, for addition to brick assembly hall, Salem Indian School.

Bids In and Contracts Awarded

Mass., Boston—Flooring—Bids were received at Bureau of Yards and Docks, Navy Dept., Washington, D. C., for reinforced-concrete floor in pattern shop, Building 42, U. S. Navy Yard (a) price for floor slabs and fire proofing of trusses, beams and girders; (b) price for floor slabs, omitting fire proofing of trusses, beams and girders, as follows: F. L. McKenzie, 7 Water St., Boston, (a) $8,311, (b) $6,237; C. M. Leach, Boston, (a) $10,573, (b) $6,983; Marston & Leonard Co., Boston, (a) $8,807, (b) $7,030. Noted Sept. 30.

Del., Smyrna—Post Office—Contract for post office at Smyrna awarded to KING LUMBER CO., Charlottesville, at $24,521. Noted Aug. 26 and Oct. 7.

D. C., **Washington**—Interceptor—Contract for Section No. 5, Anacostia Main Interceptor, awarded to GEORGE HYMAN, Washington, D. C. Noted Oct. 7.

D. C., **Washington**—Paving—Bids were received Oct. 19 for paving various streets from: Washington Asphalt Block and Tile Co., Cranford Paving Co. and Atlantic Bitulithic Co. Noted Oct. 7.

Va., **Fairfax**—Road—Rowzie & Slocum, Alexandria, at about $14,000, submitted lowest bid for gravel roadway from a point near Gum Spring to public entrance to Mt. Vernon.

Va., **Norfolk**—Building—Bids were received Oct. 23 for building at St. Helena Navy Yard, Norfolk, as follows: R. R. Richardson & Co., Norfolk, $35,961; J. L. Robinson Construction Co., Baltimore, $39,000; Baker & Brinkley, Norfolk, $38,103. Noted Sept. 30.

Va., **Norton**—Post Office—Bids were received Oct. 19 for post office at Norton, (a) limestone, (b) sandstone, as follows: Richardson & Burgess, Washington, D. C., (a) $58,331; J. C. Clouse, Greensboro, N. C., (a) $59,875, (b) $61,500; Westchester Engineering Co., (a) $56,897, (b) $61,500. Noted Sept. 16.

Fla., **Tampa**—Attendants' Quarters—Contract for attendants' quarters, disinfecting shed, oil house and wharf at Tampa Bay, awarded to E. HART, Norfolk, Va., at $52,110. Noted Aug. 26 and Sept. 23.

Tenn., **Covington**—Post Office—Contract for post office at Covington awarded to ALGERNON BLAIR, Montgomery, Ala., at $34,765. Noted Oct. 14.

Ill., **La Salle**—Post Office—Contract for U. S. post office at La Salle awarded to CHARLES W. GINDELE, Chicago, at $67,000.

Wyo., **Powell**—Canal—Bids were received Oct. 20 for constructing first unit, Frannie Division, Shoshone Project, as follows: Schedule 1 (a), 2 (b), 3 (c), 4 (d), 5 (e): J. E. Hilton, Billings, Mont., (a) $48,315, (b) $33,330; (c) $32,295; Tibbs & Taggart, Colwey, Wyo., (a) $45,090, (b) $29,600, (c) $32,270; R. M. Lynn, Lovell, (b) $27.76; Three Bros. & Jolley, Lovell, (a) $46,499, (b) $31,440, (c) $32,270, (d) $11,179, (e) $58,365 Security Bridge Co., Minneapolis, Minn., (d) $10458, (e) $54,628; Billings Engineering & Contracting Co., Billings, Mont., (d) $10,520. Noted Sept. 23.

T. H., **Honolulu**—Piers—Contract for torpedo boat piers at naval station, Pearl Harbor, awarded to LORD-YOUNG ENGINEERING CO., Honolulu, at $285,000. Noted Oct. 21.

China, Peking—Storage Plant—Lowest bid submitted for ice making and cold storage plant (complete) at Peking was that of York Mfg. Co., York, Penn., at $7,795. Noted Sept. 30.

CANALS, DITCHES AND IRRIGATION

Proposed Work

N. Y., **Plattsburg**—Barge Canal Work—Bids will be received until noon, Nov. 9, by W. W. Wotherspoon, Supt. of Pub. Wks., Capitol, Albany, for barge canal terminals.

Fla., **Port Tampa City**—Canal—Hiram McElroy, Engr., making surveys for ship canal from Old Tampa Bay to Port Tampa Bay. Estimated cost, $12,000. J. G. Yeats, Mayor.

La., **Rapides**—Drainage—Election will be held in Rapides Parish, first and second wards, to vote on $34,000 bonds for drainage system.

Ind., **Williamsport**—Drain—Bids will be received by Horace H. Day, Constr. Comr., at office of B. H. Ringer, until 2 p.m., Oct. 30, for drain in Jordan and Steuben Townships.

Ind., **Winamac**—Ditches—Bids will be received by C. E. Paul, Constr. Comr., until Oct. 30, for W. D. Patterson Ditch No. 3, L. C. Hodgens Ditch and John Panatt Ditch.

Iowa, **Spencer**—Ditch—Bids will be received by County Auditor until Nov. 28 for Drainage Ditch No. 28.

Minn., **Morris**—Ditch—Bids will be received by C. R. Wollchan, County Audr., until 2 p.m., Nov. 3, for County Ditch No. 20. Estimated cost, $4,599.

Minn., **Roseau**—Ditch—Bids will be received by County Auditor until 2 p.m., Nov. 15, for excavating Judicial Ditch No. 62. George A. Ralph, Engr.-in-Charge. Noted Oct. 7.

Mont., **Shepherd**—Irrigation—Billings Bench Water Users Association will make improvements to its irrigation system. W. W. Clark, Billings, Pres.

Mo., **Kansas City**—Revetments—Hendrick & Cochrane, Kansas City, preparing plans for Kaw Valley Drainage Board for addition of 4,000 ft. to revetments.

Ark., **England**—Drainage—Bonds for $45,000 will be issued by Indian Bayou Drainage Commissioners for drainage work.

Tex., **Donna**—Irrigation—Bids will be received by D. H. Barr, Secy., Donna Irrigation District, until Nov. 1, for irrigation system. Estimated cost, $425,000. C. S. Clark, Engr. Noted Oct. 21.

Idaho, **Boise**—Irrigation—Surveys being made by Edward Hedden for irrigation system for Black Canyon Irrigation District.

Idaho, **Boise**—Irrigation—Thayer-Moore Co., Kansas City, Mo., will finance project for constructing Bruneau Irrigation Project in Owyhee County, plans for which have been approved by State Land Board.

Idaho, **St. Anthony**—Irrigation—North Fork Reservoir Co., recently incorporated with $200,000 capital by M. Hillman, T. F. Rouche and others, will build irrigation system.

Ariz., **Yuma**—Irrigation—A pumping plant to irrigate 1,400 acres will be built by D. F. Sanguinetti and George Michelson, owners of Painter Property in Yuma Heights.

Calif., **Stockton**—Irrigation—Citizens voted Oct. 16 to form West Side Irrigation District to irrigate 11,000 acres. Estimated cost, $185,000. Noted Sept. 2.

Bids In and Contracts Awarded

N. C., **Shelby**—Drainage—Commissioners of Buffalo Drainage District awarded contract for widening creek from Graham's bridge to South Carolina line to THOMPSON-MOSELY CO., Greensboro, at $6,000.

Fla., **Tampa**—Ditch—Contract awarded to FOSTER & COGGESHALL by County Commissioners for Carr ditch.

Ill., **Albany**—Drainage—Contract for excavating about 86,960 cu.yd. of earth for 6½ miles of drainage ditch awarded to STEVENS & LANG, Geneseo, at 10c. per cu.yd. Noted Sept. 30.

Iowa, **Bedford**—(Official)—Drainage—Contract for new channel for East Nodaway River in Drainage District No. 3 awarded to O. P. HERRICK, Des Moines. W. L. Holbrook, Engr. Noted Oct. 14.

Iowa, **Panama**—Ditch—Contract awarded to LANA CONSTRUCTION CO., at about $55,926, for ditch in Washington Township.

Minn., **Breckenridge**—(Official)—Ditch—Contract for County Ditch No. 20. Wilkin County, awarded to C. T. GLASSER, Minneapolis. Noted Oct. 7.

Minn., **Mankato**—(Official)—Ditch—Contract for Ditch No. 39, Blue Earth County, awarded to G. E. GILBERTSON, St. James, at $15,727. R. H. Allison, Engr. Noted Oct. 7.

Ark., **Marion**—Drainage—Contract awarded to E. M. FORD by Crittenden County Drainage District No. 5 for drainage work in Big Creek, about 18 miles.

MISCELLANEOUS

Proposed Work

Mass., **Boston**—Tunnel—Bids will be received until Nov. 11 for Dorchester Tunnel, Section G, between West Fourth St. and Old Colony Ave. Plans on file with Boston Transit Commission, 15 Beacon St. Noted Sept. 30.

N. Y., **New York**—(Borough of Brooklyn)—Pier—Sinking Fund Commission plans pier at foot of Fulton St. Estimated cost, $15,000.

N. Y., **New York**—(Borough of Brooklyn)—Station Finish—Bids will be received until Nov. 5 by Public Service Commission of First District for station-finish work on New Utrecht Ave. elevated line. Noted Oct. 21.

Miss., **Biloxi**—Breakwater—City Council contemplates breakwater.

Miss., **Waveland**—Seawall—Bids will be received until Dec. 1 by Commissioners of District No. 1, Hancock County, at office of Robert L. Genin, Main St., Bay St. Louis, for concrete seawall and filling on beach front at Waveland.

Ohio, **St. Clairsville**—Retaining Wall—Bids will be received by Emerson Campbell, County Audr., until 1 p.m., Nov. 1, for concrete retaining wall on National Rd. east of St. Clairsville.

Ohio, **Wellsville**—Dikes—Election to be held in November to vote on $50,000 bonds for dikes. Noted Oct. 14.

Wis., **Ashland**—Dock—Plans prepared for concrete ore dock for Minneapolis, St. Paul and Sault Ste. Marie Ry. Estimated cost, $3,000,000. C. N. Kalk, Minneapolis, Minn., Ch. Engr.

Iowa, **Council Bluffs**—Levee—Bids will be received until 10 a.m., Nov. 2 by Pottawatomie County for levee work in Lewis Township.

Mo., **New Madrid**—Levee Work—(Official)—Bids will be received until 2 p.m., Nov. 15, by St. John Levee and Drainage District of Missouri, Hunter Bank Bldg., New Madrid, for levee work. W. S. Edwards, Secy. (See adv.)

Tex., **Temple**—Fire-Alarm System—City will build fire-alarm system. Estimated cost, $10,000.

Bids In and Contracts Awarded

Mass., **Winthrop**—Seawall—Bids opened Oct. 20 by Harbor and Land Commission, Boston, for seawall: W. L. Miller Co., Alford St., Charlestown, $19,030; Dennis F. Crowley, Milton, $19,289, and Bay State Dredging Co., Boston, $19,804. Noted Oct. 14.

N. Y., **Buffalo**—Train Shed—Contract awarded to EASTERN CONCRETE STEEL CO., D. S Morgan Bldg., for train shed for Lehigh Valley R.R. Co., at Main and Scott St. Estimated cost, $150,000.

N. Y., **New York**—(Borough of Bronx)—Subway Station—Contract awarded to ALTORIA REALTY AND CONSTRUCTION CO., for subway stations along Jerome Ave. and White Plains Rd.

N. Y., **New York**—(Borough of Manhattan)—Park Work—Delson Contracting Co., at $11,121, low bidder for improving Isham Park.

N. J., **Newark**—Dock Improvements—Contract for improving dock awarded to J. & J. McSPIRIT, Jersey City. Noted Oct. 14.

Del., **Wilmington**—Pier—Contract for pier at Deepwater Point for Du Pont Powder Co. awarded to SNARE & TRIEST, New York, N. Y., and Philadelphia, Penn.

S. C., **Charleston**—Wharf—Contract awarded to CHARLESTON ENGINEERING AND CONSTRUCTION CO., at $55,000, for wharf and bulkhead at Tradd St.

Miss., **Greenville**—Levee—Contract awarded to BURT, BOND & McMURRAY, Benoit, at $32,000, for levee work.

Tex., **Galveston**—(Official)—Riprap—Contract for furnishing 20,000 tons of riprap awarded to HANLEY & FRIDNER, Galveston, at $2.64 per ton. Noted Oct. 14.

Calif., **San Diego**—Mortuary—Contract awarded to WINTERS & NICHOLSON, at about $50,000, for 100x150-ft. mortuary at Fourth and Ash St., for Johnson, Connell & Saum.

Calif., **San Francisco**—(Official)—Pier—Contract for pier at foot of Chestnut St. awarded to CLINTON CONSTRUCTION CO., San Francisco, at $283,230. Noted Oct. 14.

BUILDINGS

Other items relative to Building Construction will be found under the following headings: "Industrial Works," "Federal Government Work" and "Miscellaneous."

Proposed Work

Vt., Northfield—Norwich University plans to construct a new riding hall. Estimated cost, $40,000. Charles Spooner, Pres.

Mass., Boston—Plans prepared by Maginnis & Walsh, Arch., 100 Boylston St., for three-story, 150x150-ft. clubhouse at Boylston Rd. and Ipswich St. for Knights of Columbus Lodge. Estimated cost, $300,000. Note, Oct. 21.

Mass., Brookline—Andrews, Jacques & Rantoul, 50 Congress St., Boston, preparing plans for addition to high school. Noted Aug. 12.

Mass., Cambridge—Edward Radding, 274 Main St. Springfield, will build six-story, 100x150-ft. brick building at Charles River Rd. and Ash. St. Charles R. Greco, 8 Beacon St., Boston, Arch. Estimated cost, $150,000.

Mass., Danvers—Bids will be received until Nov. 5 for two-story and basement, 15x50-ft. brick school for Independent Agricultural School. Estimated cost, $75,000. Noted Sept. 16.

Mass., Fall River—Plans being prepared by J. M. Darling, Fall River, for Masonic Temple. Estimated cost, $120,000.

Mass., Fitchburg—Special City Council Committee on Isolation Hospital plan hospital at estimated cost of $40,000.

Mass., Holyoke—Bids will be received until 2 p.m., Oct. 29, by Board of Public Works for isolation hospital for city. W. J. Howes, Arch. Noted Oct. 21.

Mass., Hyde Park—Myer Dana will build 22 stores at River St., Hyde Park Ave. and Oak St. Estimated cost, $300,000.

Mass., Lawrence—City will build new hospital. Joseph McCarthy, Member Bldg. Com.

Mass., New Bedford—Bids will soon be received for three-story, 85x90-ft. central fire station at North and Pleasant St. Estimated cost, $100,000. James S. McIntyre, Arch.

Mass., Salem—Bids will be received about December for nine room brick school addition for city of Salem. Estimated cost, $75,000. Noted Oct. 7.

Mass., Springfield—Stone and marble church will be built at State and Orleans St. by Christian Scientist Society. Estimated cost, $100,000. S. S. Beman, Chicago, Ill., Arch.

Conn., Mansfield—Connecticut Training School for Feeble-Minded will construct buildings. Estimated cost, $200,000.

Conn., Milford—(Official)—Contract for brick and stone town hall will be awarded about Nov. 15. Estimated cost, $120,000. Noted Oct. 14.

Conn., New Haven—Plans being prepared by Coolidge & Shattuck, Arch., Ames Bldg., Boston, Mass., for music building for Yale University. Estimated cost, $250,000. Noted Sept. 30.

N. Y., Albany—Plans prepared for 14-story addition to Ten Eyck Hotel at State and North Pearl St. Estimated cost, $1,100,000.

N. Y., Buffalo—(Black Rock)—Black Rock Bank will build bank on Niagara St. near Tonawanda St., Black Rock. Estimated cost, $100,000. H. W. Andrews, Pres. Pratt & Lambert, Dir.

N. Y., Freeport—(Official)—Bids being received by C. E. Kern, Arch., 55 East Ave., Freeport, for two-story, 64x96-ft. country club house for Long Island Good Hearted Thespian Society, Inc.

N. Y., New City—Election will be held Nov. 2 in Rockland County to vote to appropriate $50,000 for Tuberculosis Hospital. C. W. Sherwood, Clk., Bd. of Supervs.

N. Y., New York—(Borough of Manhattan)—Plans prepared by Walter Haefeli, Arch., 245 West 55th St., for 16-story office building at Fourth Ave. and 28th St., for Hasco Bldg. Co., 245 West 55th St. Estimated cost, $500,000. Noted Oct. 14.

N. Y., New York—(Borough of Manhattan)—(Official)—Kimball & Roosa, 71 Broadway, preparing plans for alterations to office building at Broadway and Rector St. for O. B. Potters Co., Inc., 71 Broadway.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received in December for 12-story building at 53 West 23rd St. for Naceloc Co., 125 West 56 St. William Birkmire, 1133 Broadway, Arch. Estimated cost, $300,000. Noted Sept. 23.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids are being received for seven-story, 99x100-ft., brick and steel building at 316 East 42d St., for New York College of Dentistry, 205 East 23d St. Shape & Bready, Inc., 220 West 42d St., Arch. Estimated cost, $250,000. Noted Oct. 14.

N. Y., New York—(Borough of Manhattan)—(Official)—Bids will be received about Nov. 1 by John J. Hearn Construction Co., 63 West 46th St., New York, for 12-story apartment at 152 West 86th St. Schwartz & Gross, 345 Fifth Ave., Arch. A. L. L. Construction Corporation, 67 West 46th St., owner. Estimated cost, $400,000. Noted Sept. 9.

N. J., Montclair—Old high school will be remodelled at estimated cost of $50,000.

N. J., Newark—Boys' Industrial School will build school at Dickerson and First St. Estimated cost, $125,000.

N. J., Paterson—Contract will be awarded about January 1 for four-story, 115x175-ft. school in Riverside Section. Estimated cost, $200,000. Fred W. Wentworth, Paterson, Arch. Noted Aug. 5.

N. J., Wildwood—Contract will soon be awarded for two-story school. Estimated cost, $65,000. Noted Sept. 2 and 30.

Penn., Bedford—Preliminary plans being prepared by H. E. Kennedy & Co., Arch., Home Trust Bldg., Pittsburgh, for three-story, 120x176-ft. tourist hotel for Lee Hoffman. Estimated cost, $100,000.

Penn., Freeland—New church will be constructed by congregation of St. John's Sloval Church. Estimated cost, $50,000.

Penn., Greencastle—Election will be held in November to vote on bonds for school on South Washington St.

Penn., Hazelton—(West Hazelton)—Citizens contemplate new school in West Hazelton.

Penn., Lewiston—Election will be held Nov. 2 to vote on $100,000 bonds for high school. J. J. Biemesderfer, Secy.

Penn., Philadelphia—Albert Kelsey, Arch.; Perry Bldg., prepared plans for five buildings for Carson College for Orphan Girls, Witherspoon Bldg. Estimated cost, $300,000.

Penn., Philadelphia—A movement is on foot to raise a $500,000 fund to complete buildings at 18th and Bainbridge St. for Children's Hospital of Philadelphia.

Penn., Philadelphia—H. O. Wilbur & Sons has acquired a site at 245-47 New St. on which a reinforced-concrete building will be built. Estimated cost, $100,000.

Penn., Pittsburgh—Bids being received by Walter A. Cohen, Arch., Oliver Bldg., for five-story building at 1139-41 Pennsylvania Ave.

Penn., Scranton—J. J. Howley, Traders' Bank Bldg., prepared plans for alumni building for Sisters of the Immaculate Heart of Mary, Mt. St. Mary's Seminary. Estimated cost, $100,000.

Penn., Shenandoah—Election will be held Nov. 2 to vote on $135,000 bonds for high school.

D. C., Washington—National School of Domestic Art and Sciences will build 11 buildings on Wisconsin Ave. Estimated cost, $500,000. Charles F. Wood, 92 Fendall Bldg., and Mary A. Zurhorst, interested.

Va., Norfolk—Plans being prepared by Browne & Tazewell, Arch., National Bank of Commerce Bldg., for armory. Estimated cost, $165,000. A. Salomnsky, Chn. of Bldg. Com.

W. Va., Huntington—J. Tracy Troeger contemplates motion picture theatre on Fifth Ave. Estimated cost, $65,000.

W. Va., Wellsburg—M. L. Wells, Arch., preparing plans for three-story, 69x98-ft. store and lodge building for Wellsburg Lodge No. 2-A. Estimated cost, $45,000.

N. C., Delma—Charles C. Benton, Wilson, prepared plans for school. Estimated cost, $40,000.

N. C., Durham—Election will be held to vote on $75,000 bonds for two schools on Moorehead school site. George W. Watts, Chn. School Trustees.

N. C., Greensboro—J. W. Long and others contemplate hospital. Estimated cost, $50,000.

N. C., Winston-Salem—Norfolk & Western R.R. Co. plans two-story union passenger station. Estimated cost, $500,000.

S. C., Greenville—City contemplates city hall and auditorium. Estimated cost, $75,000.

Fla., Clearwater—Citizens of Pinellas County will build county court house and jail.

Fla., Ft. Pierce—Mrs. E. C. McAllister will build eight-story steel hotel at 12th St. and Blvd. Estimated cost, $300,000.

Fla., Okeechobee—City will build school. Estimated cost $40,000. W. L. Foote, Trustee.

Fla., Orlando—Plans prepared for community building for Board of Trade. Estimated cost, $45,000.

Fla., Panama Park—H. J. Klutho preparing plans for eight-room school and additions to West Riverside School. Estimated cost, $110,000.

Fla., South Jacksonville—Plans being prepared for 16-room school and 12-room school. Mark & Sheftall, Arch. Estimated cost, $90,000.

Fla., Springfield—(Jacksonville post office)—Rutledge Holmes preparing plans for eight-room school in New Springfield, cost, $60,000, and two 4-room school at Grand Crossing and Highway.

Fla., Springfield—(Jacksonville post office)—R. A. Benjamin preparing plans for eight-room school in Northeast Springfield and wings to West Springfield school. Estimated cost, $100,000.

Miss., Marion—School Board contemplates $100,000 bonds for agricultural high school.

Miss., Pontotoc—Pontotoc County will build court house. Estimated cost, $75,000.

La., Jennings—Jefferson Davis Parish Police Jury will build court house. Estimated cost, $75,000.

La., Lake Charles—Citizens voted $125,000 bonds for high school.

La., New Orleans—Benevolent Knights of America will make repairs to club and later plan building at estimated cost of $125,000.

Tenn., Bristol—Election to be held to vote on $60,000 bonds for school rescinded. Noted Oct. 21.

Tenn., Memphis—W. T. Bailey, Arch., preparing plans for new church. Estimated cost, $50,000. S. E. Griggs, Lauderdale and Georgia St., Pastor.

Ky., Lexington—Election will be held Nov. 2 to vote $100,000 bonds for two schools. Noted Aug. 19.

Ohio, Antioch—Bids will be received until noon, Oct. 29, by J. W. Lentz, Clk. Perry Township, Bd. of Education, for high school. Albert S. Wilson, Senecaville, Arch.

Ohio, Cincinnati—Congregation of St. Andrews R. C. Church will build one-story, 81x180-ft. church. Estimated cost, $75,000. Samuel Hannaford & Son, 601 Hubert Bldg., Arch.

Ohio, Cincinnati—(Official)—Bids will be received until noon, Nov. 13, by Adjutant General of Ohio, Columbus, for alterations and repairs to armory at Helen and Burnet St.

Ohio, Cleveland—L. W. Thomas, Pythian Temple, prepared plans for remodeling John Anisfield Bldg. at East Ninth and Huron St. for Garfield Realty Co. Estimated cost, $40,000.

Ohio, Cleveland—Bids will be received about Nov. 15 by Cuyahoga County Commissioners, Cleveland, for detention building for boys on Franklin Ave. William S. Lougee, 500 Marshall Bldg., Arch. Estimated cost, $90,000. Noted Aug. 26.

Ohio, Cleveland—Cleveland Columbian Building Co. plans club house. John T. Dietz and Frank Dietz, Dietz Electric Co., interested. Estimated cost, $125,000.

Ohio, Columbus—James H. Butler will build 11-story hotel at Broad St. and Grant Ave. Estimated cost, $500,000.

Ohio, Dayton—Mutual Home & Savings Association will build 10-story reinforced-concrete building at Main and Second St. in spring. Estimated cost, $200,000.

Ohio, Marion—Odd Fellows Temple will build temple on West Center S. Estimated cost, $40,000.

Ohio, Middletown—Knights of Pythias, Lafayette Lodge No. 37, plan three-story, store, office and lodge building. Estimated cost, $50,000.

Ohio, Tiffin—First Presbyterian Church will build church. Estimated cost, $50,000.

Ohio, Toledo—Citizens will vote Nov. 2 on $1,000,000 bonds for school improvements. L. I. Donat, Clk.

Ind., Brazil—(Official)—Bids will be received about Dec. 1 for high school. Estimated cost, $70,000. Noted Oct. 21.

Ind., Terre Haute—Johnson & Miller, Ball Bldg., preparing plans for 16-room school at 25th St. and Fourth Ave.

Mich., Detroit—Plans being considered by County Commissioners for additions to county building. Estimated cost, $600,000.

Mich., Detroit—Plans are being considered for a five or six-story addition to Cass High School. Estimated cost, $359,000.

Mich., Grand Rapids—Williamson & Crow preparing revised plans for buildings for Calvin College. Estimated cost, $125,000.

Mich., Kalamazoo—Bids will be received by Kalamazoo State Hospital until Nov. 1 for Nurses' Home. Estimated cost, $56,000. Wernette, Bradfield, Mead Co., Grand Rapids, Arch. Noted Aug. 19.

Mich., Lansing—Directors of Lansing State Savings Bank will build eight-story building at Washington and Michigan Ave. Estimated cost, $150,000.

Mich., Manistique—Robinson & Campau, 449 Houseman Blk., Grand Rapids, preparing plans for high school. Estimated cost, $100,000.

Ill., Buckley—Lutherans will build church. Estimated cost, $50,000.

Ill., Chicago—Marshall & Fox will build five or six-story office building at Lincoln Parkway and Huron St.

Ill., Chicago—Contract will be awarded about Nov. 1 for two-story, 100x174-ft. building for Ninth Church of Christ Scientist. Carl Barkhausen, 121 Wisconsin St., Milwaukee, Wis., Arch.

Ill., Chicago—Baltimore & Ohio Chicago Terminal R.R. Co. will build two- and three-story freight sheds at 200 West 13th St. M. A. Long, Arch. Estimated cost, $65,000. F. L. Stuart, Baltimore, Md., Ch. Engr.

Ill., Springfield—(Official)—Bids will be received about Dec. 1 for high school. W. B. Ittner, St. Louis, Mo., Arch. Noted Oct. 21.

Iowa, Des Moines—Cathedral will be built in 1916 by Masonic Order. Estimated cost, $300,000. Charles M. Cathcart, Member Bldg. Com.

Iowa, Des Moines—Interurban Ry Co. will build freight depot at Second and Center St. Estimated cost, $50,000.

Iowa, Harlan—Bonds for $120,000 voted by citizens for school. Noted Sept. 2.

Iowa, Washington—Citizens defeated $100,000 bonds for high school.

Minn., Duluth—(Official)—Bids will be received until 7:45 p.m., Nov. 5, by Board of Education for purchase of $100,000 bonds for schools. Charles A. Bronson, Clk. Bd. of Education.

Minn., Minneapolis—Hennepin County Medical Society plans 12-story office building. Estimated cost, $1,000,000.

Minn., North St. Paul—Citizens plan high school. Estimated cost, $40,000.

Minn., St. Paul—(Official)—Bids will be received until Nov. 16 by Board of Control, State Capitol, for Minnesota Historical Society building. Estimated cost, $500,000. Clarence H. Johnston, Arch. Noted Sept. 23.

Kan., Hiawatha—Bids will be received until 7:30 p.m., Nov. 1, by Board of Education for high school. Estimated cost, $60,000. J. H. Felt & Co., Kansas City, Mo., Arch. Noted Oct. 21.

Kan., Topeka—City will build junior high and grade school at Fifth and Lincoln St. Estimated cost, $100,000. L. M. Penwell, Pres. and Chn. Bldg. Com., High School.

Kan., Wichita—Bids are being received by Y. W. C. A. for four-story, 49x140-ft. brick building. Estimated cost, $65,000. A. A. Hyde and H. W. Darling, in charge.

Neb., Alliance—Plans being prepared for three-story and basement hotel for Burlington Hotel Co. Estimated cost, $60,000.

Neb., Hastings—(Official)—Contract for moving picture theatre and office building for William Brach will not be awarded until next spring. Noted Oct. 7.

Mont., Billings—Y. W. C. A. will remodel old Elks club. Estimated cost, $50,000.

Mo., Joplin—Election will probably be held Nov. 10 to vote on $350,000 bonds for schools. J. A. Becker, Pres. School Bd.

Mo., Kansas City—W. Hilton Smith, preparing plans for four-story and basement, 37x76-ft. hotel at East Ninth St. near Charlotte St. for Hoffman Bros. Investment Co. Noted Oct. 14.

Mo., Ozark—Election will be held Mar. 4, 1916 to vote on $50,000 bonds for new court house.

Mo., St. Joseph—Rudolph Meier, Arch., preparing plans for 20-room high school in North Side. Estimated cost, $175,000.

Mo., Springfield—A theater estimated to cost approximately $65,000 will be constructed on the Square. J. L. Carlisle, Kansas City, interested.

Ark., Little Rock—Plans being prepared by W. T. Bailey, Arch., Memphis, Tenn., for Y. M. C. A. building. Estimated cost, $60,000.

Tex., Altavista—Bids will soon be received for 12-room school. Estimated cost, $60,000.

Tex., Houston—City will sell $200,000 bonds for school construction. Benjamin Campbell, Mayor.

Colo., Colorado Springs—Santa Fé R.R. Co. plans station. Estimated cost, $150,000.

Utah, Salt Lake City—Roman Catholic Church plans parochial school. Estimated cost, $150,000.

Ariz., Phœnix—Kibbey & Lescher prepared plans for addition to courthouse.

Wash., Bellingham—Contract will be awarded about Dec. 1 for addition to North Side High School. Estimated cost, $120,000. Noted Aug. 12.

Wash., Seattle—Citizens will vote on $200,000 bonds for West Seattle high school. Edgar Blair, School Arch.

Ore., Portland—W. W. Lucius, Lewis Bldg., Portland, retained by Alisky Estate to prepare plans for rebuilding structure at Third and Morrison St. Estimated cost, $50,000.

Ore., Portland—Bids will be received in November for auditorium for city. Estimated cost, $500,000. Whitehouse & Fouilhoux, Wilcox Bldg., Portland, Arch. Noted Aug. 12.

Calif., Sacramento—Bids will soon be received for hall of justice building for city. Shea & Lofquiest, Arch. Estimater cost, $208,000. Noted July 29.

Calif., Woodland—H. A. Weeks, San Francisco, preparing plans for courthouse for Yolo County. Estimated cost, $200,000.

BARGE CANAL WORK, ALBANY, N. Y.

Contract No. 40

Bids were received Sept. 14 by W. W. Wotherspoon, State Supt. of Pub. Wks., Albany, for Barge Canal Work, Contract No. 40, from (A) J. E. Bishop, Syracuse; (B) Champlain Engineering & Construction Corporation, Saratoga Springs; (C) Eastover Construction Co., Inc., Utica, (D) Holler & Shepard, Rochester. The item bids were as follows:

	A	B	C	D
27,000 cu.yd. excavation	$0.35	$0.38	$0.48	$0.38
6,000 cu.yd. forming embankment	.10	.12	.14	.11
860 cu.yd. gravel surfacing	1.35	1.50	1.80	1.40
3.4 M ft. b.m creosoted lumber	65.00	65.00	75.00	65.00
400 lin.ft. foundation piles	.29	.35	.42	.32
3,750 lin.ft. 12-in. reinforced concrete piles	2.35	2.55	1.50	2.30
50 cu.yd. second class concrete	7.43	8.09	9.60	7.00
190 cu.yd. first class reinforced concrete	11.96	13.50	10.00	12.75
55 cu.yd. second class reinforced concrete	8.94	9.00	9.00	8.00
150 lin.ft. 36-in. reinforced concrete pipe	4.00	5.00	6.00	4.75
18,000 lb. structural steel	.04	.04	.04	.04
14,200 lb. metal reinforcement	.03	.03½	.03½	.03
2,000 lb. iron castings plain	.04	.04	.04	.04
448 lin.ft. wooden fence	.22	.25	.52	.25
65 fender fastenings	1.21	1.20	1.20	1.20
Extended totals	$25,515	$27,140	$26,658	$26,438

PAVING—ST. CHARLES, ILLINOIS

Bids were received for paving East Main St., West Main St. and parts of other connecting streets as follows: (A) Engineer's Estimate; (B) Western Improvement Co., Racine, Wis.; (C) Arwin E. Price, Elgin, Ill.; (D) Logan-Giertz Construction Co., Elgin, Ill.; (E) James Cape & Sons Co., Racine, Wis.; (F) H. H. Enbody, Aurora, Ill.; (G) James A. Sockley Co., Chicago, Ill. The item bids were as follows:

	A	B	C	D	E	F	G
17,670 sq.yd. vitrified brick pavement, 6-in. cement concrete base, 2-in. sand cushion, joints filled with asphalt filler, surface dressed with sand and subgrade complete	$2.03	$1.92	$1.98	$1.95	$1.96	$1.99½	$2.09
8,690 sq.yd. vitrified brick pavement 5-in. cement concrete base, 2-in. sand cushion, joints filled with asphalt filler, surface dressed with sand and sub-grade complete	1.98	1.84	1.90	1.92	1.90	1.97	2.02
10,850 lin.ft. cement concrete curb on layer of bank gravel, subgrade complete	.48	.38	.43	.40	.45	.46	.30
400 lin.ft. 10-in. vitrified sewer laid and constructed complete	.50	.60	.60	.40	.40	.50	.75
16 inlets with c.i. covers placed and completed	15.00	15.00	15.00	12.50	20.00	15.00	15.00
19 combined false curb and gutters with c.i. plate, 8 ft. long	10.00	8.00	9.00	8.00	10.00	10.00	10.00
72 combined false curb and gutter with c.i. plate, 5 ft. long	6.00	6.00	5.00	5.00	6.00	6.00	6.00
36 oak headers in place	14.72	8.00	41c. per ft.	.....	10.00	14.72	12.00
Adjustment of existing manhole and C. B., extra concrete per cu.yd.	.....	6.50	4.60	.....	8.00	5.00	15.00
Totals	$59,901	$55,391	$86,698	$66,958	$57,410	$58,614	$59,332

Que., Montreal—Marcil Trust Co. will build one-story granite building on Victoria Sq. Estimated cost, $300,000.

Bids In and Contracts Awarded.

Mass., Boston—(Roxbury)—(Official)—Bids received Oct. 19 for addition to High School of Practical Arts: John J. Flynn, 319 Washington St., $69,736, and McNeil Construction Co., 201 Devonshire St., $72,731.

Mass., Haverhill—Contract awarded to KELLY BROS., 30 Pleasant St., Haverhill, for Masonic Temple alterations.

Conn., New London—(Official)—Contract awarded to H. R. DOUGALS CO., Inc., for addition to Griswold Hotel. Noted Oct. 21.

N. Y., Harriman—Contract awarded to HARRIMAN INDUSTRIAL CORPORATION, at $40,000, for school.

N. Y., New York—(Borough of Bronx)—(Official)—Contract awarded to McDERMOTT & HANIGAN, Inc., 103 Park Ave., New York, for 100x100-ft. apartment at 8 Woodycrest Ave. for Woodycrest Bldg. Corporation.

N. Y., Rochester—Contract awarded to A. FRIEDERICH & SONS CO., Rochester, for Y. M. C. A. branch building. Estimated cost, $50,000. Noted Sept. 2.

N. J., Atlantic City—Contract awarded to ALEX CHAMBLEY, 243 South Tenth St., Philadelphia, Penn., for three-story, 90x150-ft. addition to school. Noted Sept. 2.

N. J., Elizabeth—(Official)—Contract awarded by Board of Education to JOHN LAURIE, JR., New York, N. Y., at $84,877, for Madison Ave. school. Noted Oct. 14.

N. J., Jersey City—(Official)—Contract awarded to JOHN T. BRADY CO., 103 Park Ave., New York, N. Y., at $900,000, for Hudson County jail. J. T. Rowland, Jersey City, Arch. Noted Oct. 21.

N. J., Newark—W. G. Sharwell & Co., Newark at $84,989, low bidder for Milford school on 18th Ave.

N. J., Trenton—(Official)—All bids received Oct. 19 by Alfred Gaskill, Dir. of Dept. of Conservation and Development for laboratory rejected. Noted Oct. 7.

Penn., Philadelphia—(Bustleton)—Melody & Heating, Bailey Bldg., at $40,410 low bidder for two-story school addition.

Penn., Scranton—Contract awarded to LUDWIG T. STIPP, People's Bank Bldg., for nine-story, 42x78-ft. hotel addition for Casey Hotel Co. Noted Sept. 30.

W. Va., Charleston—Bids were received for two-story addition to Kanawha County courthouse as follows: G. F. Gates, $49,500; Caldwell & Drake, $53,125; Central Engineering Co., $54,000. Noted Sept. 16.

Ohio, Findlay—Contract awarded to J. G. BULLINGER, Toledo, at $90,000, for infirmary for Hancock County.

Ohio, Marion—Board of Education awarded contract for high school to W. C. HANDSHY & SON, Zanesville, at $84,773. Marriott, Allen & Hall, Columbus, Arch. Noted Sept. 23.

BULKHEAD—PHILADELPHIA, PENN.

Bids were received Aug. 16 by the Department of Wharves, Docks and Ferries for the constructon of a temporary bulkhead in the Schuylkill River from: (A) EDWIN H. VARE, Lincoln Bldg., Philadelphia (awarded contract); (B) Pugh & Hubbard Co., Witherspoon Bldg., Philadelphia; (C) Peoples Bros., 15th and Callowhill St., Philadelphia; (D) J. E. Brenneman, 1523 South Front St., Philadelphia. The item bids were as follows:

	A	B	C	D
800 bearing piles	$10.00	$8.88	$10.50	$12.70
1,600 batter piles	10.60	10.99	16.00	12.90
50 pile shoes	1.50	1.25	1.00	1.70
4,000 6-in. sh. piles	9.00	9.42	10.95	12.45
67 M. ft. yellow-pine lumber	65.00	55.00	45.00	82.50
4,000 galvanized iron caps	.10	.15	.50	.14
800 galvanized iron caps, piles	.22	.37½	.90	.55
Extended totals	$65,966	$67,915	$83,585	$87,212

Ind., Evansville—(Official)—Contract for freight depot for Illinois Central R.R. awarded to GEORGE B. SWIFT & Co., Chicago, at $75,000. A. S. Baldwin, Ch. Engr. Noted Oct. 21.

Wis., De Pere—Contract for substructure of four-story 65x180-ft. building for Premonstratension Fathers awarded to A. F. BEAUREGARD, De Pere. Estimated cost of building, $100,000.

Wis., Watertown—Contract for high school awarded to BAILEY-MARSH CO., Minneapolis, Minn. Estimated cost $125,000. Noted Sept. 23.

Iowa, Rock Rapids—(Official)—Contract awarded to A. M. OLSON CONSTRUCTION CO., Brookins, S. D., at $107,500, for three-story and basement courthouse. Noted Oct. 7.

Iowa, Sioux City—Contract awarded to COOMER & SMALL, United Bank Bldg., for Elks club house at Eighth and Douglas St. Estimated cost, $75,000. Noted Sept. 9.

Minn., Minneapolis—Contract awarded to J. L. ROBINSON & CO., at $55,000, for two-story brick addition to Schiller school at Grand and 26th Ave.

Minn, Minneapolis—(Official)—Contract for theatre for M. L. Cohen & Co., 239 Nicollett Ave., awarded to FLEISHER-ROSE CONSTRUCTION CO., 515 Plymouth Bldg., Minneapolis, at $41,000. Noted Sept. 23.

S. D., Brookings—(Official)—Contract for four-story dormitory for State College awarded to WOLD CONSTRUCTION CO., Brookings, at $72,000. Noted Oct. 7.

Mont., Baker—Contract awarded to MONEKE BUILDING CO., Fargo, N. D., for court house for Fallon County.

Mont., Havre—Contract awarded to LEASE & RICHARDS, Great Falls, at $63,000, for Masonic Temple at Third Ave. and Third St. Noted Sept. 2.

Mo., Kansas City—Contract awarded to PRATT-THOMPSON CONSTRUCTION CO., 500 Republic Bldg., at about $200,000, for additions to German Hospital at 24th, McCoy and Holmes St.

Mo., Webster Groves—Contract awarded to JOHN GREWE CONSTRUCTION CO., 947 Century Bldg., St. Louis, at about $175,000, for two schools.

Tex., Dallas—Contract awarded to JONES & HARRINGTON, Ft. Smith, Ark., at $59,150, by Board of Education for Winnetka school.

Tex., Dallas—Contract awarded by Board of Education to HOLMBOE CO., Oklahoma, Okla., for high school in Oak Cliff at $113,000.

Utah, Salt Lake City—Contract for normal and industrial building for University of Utah awarded to AUGUST RUDINE. Estimated cost, $55,000. Noted Sept. 30.

Wash., Tacoma—Contract awarded to CORNELL BROS., Savage-Scofield Bldg., Tacoma, at about $75,000, for hotel for Savage-Scofield Co. and others. Heath & Gove, Tacoma, Arch.

Calif., Ventura—(Official)—Bids received Oct. 18 by W. F. McClure, State Engr., Sacramento, for two cottages and detention building for California State School for Girls: Chirhart & Nystedt, $39,595; The Kling Co., $43,333, and F. O. Engstrum Co., $45,987. Noted Oct. 7.

Ont., Ottawa—Contract awarded to NORCROSS BROS. Co., 103 Park Ave., New York, N. Y., for eight-story office building on Rideau St. for C. Jackson Booth.

The George A. Boyden Pump Co., Baltimore, Md., recently capitalized at $1,800,000, will erect a large plant in the northwest section of Baltimore for the manufacture of pumps. It also plans to establish subsidiary factories in Kansas City and San Francisco. The following are the officers of the company: George A. Boyden, Pres.; J. Calvin Boyden, Vice-Pres.; Janon Fisher, Chn. of the Executive Committee; Harry Carter Irwin, Secy.; and George A. Boyden, Jr., Mechanical Engineer Supt. Edwin H. Brownley and William L. Marbury are acting as counsel. The present offices are located in the Maryland Casualty Bldg., Baltimore.

BARGE CANAL WORK, ALBANY, N. Y.

Contract L

Bids were received Sept. 14 by W. W. Wotherspoon, State Supt. of Pub. Wks., Albany, for Barge Canal Work, Contract L from (A) Cleveland & Sons Co., Brockport; (B) Oswego Construction Co., Inc., Fulton; (C) I. M. Ludingtons Sons, Inc., Rochester; (D) Chesley, Earl & Heimbach, Inc., Buffalo; (E) Vedder Construction Co., Delevan; (F) Grumer & Hallenbeck, Harriman; (G) R. T. Ford Co., Rochester; (H) Frank L. Cohen, Buffalo; (I) Lupfer & Remick, Buffalo; (J) Stanley Construction Co., Buffalo; (K) Larkin & Sangster, Seneca Falls; (L) Scott Bros., Rome; (M) Sherman-Stalter Co., Lyons; (N) Flood & Van Wirt, Hudson Falls. The item bids were as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
21,000 cu.yd. excavation	$0.60	$0.40	$0.50	$0.65	$0.60	$0.62	$0.60	$0.55	$0.60	$0.60	$0.60	$0.42	$0.60	$0.77
500 cu.yd. lining	1.50	1.80	1.50	1.50	2.00	1.40	1.25	1.50	1.50	1.25	1.50	1.35	1.65	1.80
16.5 M. f.b.m. sawed lumber	60.00	78.00	50.00	60.00	60.00	65.00	50.00	50.00	55.00	50.00	60.00	58.00	65.00	60.00
3,500 cu.yd. second-class concrete	6.80	6.00	6.50	6.50	6.80	6.25	7.00	7.00	6.25	8.00	6.60	6.00	7.00	7.00
106 cu.yd. first-class reinforced concrete	12.00	14.40	12.00	12.00	12.00	12.00	10.00	12.00	14.00	11.00	12.00	11.00	12.00	12.00
590 cu.yd. fourth-class rip-rap	2.50	3.00	2.50	2.50	2.00	2.50	2.00	2.50	2.00	2.00	2.00	1.30	2.00	2.00
344,000 lb. structural steel	.04½	.048	.04½	.03	.04	.04	.04	.04	.0458	.03½	.038	.0378	.042	.038
16,500 lb. metal reinforcement	.03	.036	.03	.03	.03	.03	.02½	.03	.03½	.03	.03	.0315	.03	.03
95 sq.yd. cobblestone gutter	1.25	1.50	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.00	1.25	1.20	1.25	.50
265 sq.yd. brick pavement	2.25	2.70	2.25	2.25	2.25	2.25	2.00	2.00	2.25	2.00	2.50	2.35	2.25	2.00
1,240 lin.ft. wooden fence	.25	.30	.25	.25	.25	.25	.30	.25	.25	.25	.25	.27	.25	.25
137 lin.ft. lattice railing	1.75	2.10	1.75	1.75	1.75	1.75	1.75	2.00	1.75	1.50	2.10	1.70	1.75	1.75
Removing existing superstructure at Gorham street (lump)sum)	100.00	120.00	100.00	100.00	1.00	100.00	100.00	100.00	120.00	100.00	50.00	100.00	50.00	100.00
12 oil signal lamps	15.00	18.00	15.00	15.00	12.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00	15.00
Maintaining navigation at Gorham St. (lump sum)	50.00	25.00	100.00	100.00	100.00	100.00	100.00	1.00	1.00	100.00	1.00	1.00	1.00	50.00
Maintaining navigation at Kingdom Rd. (lump sum)	50.00	25.00	100.00	100.00	100.00	100.00	100.00	1.00	100.00	100.00	1.00	1.00	1.00	50.00
Timber towpath at Gorham St. lump sum)	200.00	25.00	250.00	150.00	250.00	250.00	250.00	50.00	1.00	250.00	1.00	1.00	1.00	75.00
Timber towpath at Kindom Rd. (lump sum)	250.00	25.00	400.00	200.00	400.00	400.00	400.00	100.00	1.00	400.00	1.00	1.00	1.00	125.00
Cofferdams, pumping, bailing and draining (lump sum)	10,000	12,000	10,000	8,250	8,000	7,500	6,000	12,000	12,000	3,000	8,500	11,432	7,000	7,500
Total	$68,956	$65,943	$65,942	$62,047	$65,357	$63,564	$63,229	$68,292	$68,797	$63,062	$63,572	$59,928	$64,891	$67,786

Meeting of Hydrated Lime Manufacturers

In January, 1915, the National Lime Manufacturers opened at Pittsburgh an office known as the Hydrated Lime Bureau, the purpose of which was to promote the use of hydrated lime in concrete, mainly by acting as a central information office from which all inquiries as to the use of hydrated lime could be promptly and accurately answered. It is thought that the scheme has been very successful and that engineers and contractors are becoming much better informed through the bureau of the advantages of hydrated lime in concrete work. For the coming year it is hoped to extend the operation of the Bureau and to that end a meeting of all the hydrated lime manufacturers in the United States has been called for Dec. 1, 1915, to be held at the office of the Bureau. It is the intention of the Hydrated Lime Manufacturers to make this Bureau of increasing value to the engineering profession, and it is hoped that every manufacturer of this material will attend this meeting and be prepared to support the movement.

The Concrete Form Co., Inc., Syracuse, N. Y., has been awarded the highest award at the Panama-Pacific Exposition for the Whaten Form, a guaranteed collapsable steel culvert form used in road construction.

The J. F. Mundy Hoisting Engine Co., Newark, N. J., has purchased the business of J. F. Mundy and will continue business under the new name. R. L. Strickland is Secy. and Treas.

W. F. Hardy, for the past 11 years connected with the Diamond Rubber Co. and the B. F. Goodrich Co., has been appointed Sales Mgr. of the Boston Belting Co., 84 Linden Park St., Boston, Mass.

The Goulds Mfg. Co., Seneca Falls, N. Y., manufacturer of pumps and hydraulic machinery, will open a branch office at 111 No. 3d St., Philadelphia, Penn., on Oct. 1. The company has purchased the business of H. E. Trotman at this address, who has been the distributor of pumps for this company. E. S. Jenison, formerly with the Canadian Fairbanks-Morse Co., Ltd., Montreal, has been appointed Mgr., and F. G. Kramer, formerly in the employ of H. E. Trotman, will be Assist. Mgr. J. B. Trotman will continue with the Goulds Mfg. Co.

The E. B. Crosby Construction Co., formerly of Muskogee, Okla., has moved to 306 West Ninth St., Kansas City, Mo. This firm has recently completed a $75,000 high school building at Boonville, Mo., for which J. H. Felt & Co., Grand Avenue Temple, Kansas City, Mo., was Arch.

The H. F. Harris Engineering Co. have moved from 168 Osborne St., Bridgeport, Conn., to the corner of Broad and John St., Bridgeport, and are installing additional machinery as fast as it can be obtained.

The Marine Oil Engine Co., of New York, has just been incorporated with a capital of $200,000 for the purpose of carrying on a business of installing oil engines, both in ships and in either municipal or private power plants. Mr. W. R. Haynie, U. S. Manager for Bolingers Co. of Stockholm, Sweden, 50 Church St. is the moving spirit in the concern.

CATALOG NOTICES

General Electric Co., Schenectady, N. Y. Pamphlet. Holophane refractors for street lighting. Illustrated, 30 pp., 6x9 in.

Westinghouse Electric & Mfg. Co., E. Pittsburgh, Penn. Circular No. 1536. Alternating current water-wheel generators. Illustrated, 32 pp., 8x10½ in. Special Publication No. 1562. Railway equipments and locomotives in the Far West. Illustrated, 48 pp., 8½x11 in.

The Scranton Pump Co., Scranton, Penn. Bulletin No. 103. Jet condensers and vacuum pumps. Illustrated, 12 pp., 6x9 in.

K-G Kelding & Cutting Co., 556 West 34th St., New York. Catalog. Oxy-acetylene, oxy-blaugas welding and cutting equipment. Illustrated, 24 pp., 4½x7½ in.

American Steel Dredge Co., Ft. Wayne, Ind. Bulletin No. 10. "Single-Line" revolving steam shovels. Illustrated, 8 pp., 8½x11 in.

HIGH SERVICE SYSTEM, COATESVILLE, PENN.

Bids were received Oct. 7 for the construction of a high service system at Coatesville from (A) PARTRIDGE & BURKE, Hohokus, N. J. (awarded contract); (B) H. C. Brooks Co., Martinsburg, W. Va.; (C) Dunleavy Bros., Coatesville; (D) Pugh & Hubbard, Philadelphia, Penn.; (E) Thomas J. Radley Co., Inc., New York, N. Y. The item bids were as follows:

	A	B	C	D	E
12.56 tons 10-in. Class A pipe	$24.75	$26.50	$26.15	$26.50	$28.00
30.56 tons 10-in. Class B pipe	24.75	26.50	26.75	26.50	28.00
62.75 tons 6-in. Class B pipe	24.75	26.50	26.75	27.05	29.00
243.0 tons 8-in. Class O pipe	24.75	26.50	26.75	27.05	28.00
24.15 tons 6-in. Class B pipe	24.75	26.50	26.75	27.05	28.00
13.6 tons 6-in. Class C pipe	24.75	26.50	26.75	27.05	28.00
10.2 tons c.i. specials	60.00	65.00	60.00	58.80	65.00
1,390 lin.ft. 10-in. c.i. pipe laid	.35	.35	.35	.38	.45
11,980 lin.ft. 8-in. c.i. pipe laid	.28	.29	.35	.36	.37
2,170 lin.ft. 6-in. c.i. pipe laid	.23	.27	.35	.34	.35
1 10-in. gate valve	25.75	27.50	30.00	28.50	39.00
8 8-in. gate valves	19.50	21.00	20.00	17.60	25.80
18 6 in. gate valves	14.00	16.00	12.75	12.00	17.10
30 hydrants with gate valve	45.00	50.00	48.00	44.50	50.00
200 cu.yd. excess excavation	.75	1.00	1.25	1.50	.50
3,000 lin.ft. macadam pavement	.10	.10	.05	.20	.17
120 lin.ft. brick pavement	.34	.60	.25	1.75	.45
250,000 gal. water tank	3,700.00	3,750.00	3,600.00	3,685.00	4,600.00
Equipment for pumping station	1,456.00	1,075.00	1,284.00	1,740.00	2,500.00
Venturi meter	650.00	725.00	600.00	706.00	652.00
Superstructure for pumping station	600.00	700.00	960.00	1,720.00	700.00
177 cu.yd. earth excavation	.45	1.00	.60	1.00	.50
7 cu.yd. Class A concrete	8.00	9.00	8.00	15.00	6.50
55 cu.yd. Class B concrete	9.00	8.00	6.00	10.00	6.50
140 lb. of steel reinforcement	.05	.06	.04	.04	.05
Extended totals	$23,834	$24,943	$25,619	$28,127	$28,968

The Detroit Products Co., Detroit, Mich., to celebrate a record-breaking September business, about 30 of its members were the guests of J. G. Rumney, Gen. Mgr., at a banquet given Oct. 19 at the Detroit Athletic Club. The September output of the company including both fenestra solid steel windows and also Detroit self lubricated springs also made by the company was the biggest in the history of the company. And from present indications the remaining months of 1915 are going to be no exception to the rule. The September record was a combination of a series of record-breaking months throughout the year. At the banquet, speeches were made by Walter S. Russel, Pres. of the Russel Wheel and Foundry Co., of Detroit, and by R. S. Drummond, Vice-Pres. of the Detroit Steel Products Co.

American Lumber Used in Portugal—Most of the foreign lumber used in Portugal is imported from Sweden and the United States, especially from the Gulf ports, Pensacola, Apalachicola, Gulfport, New Orleans, and Galveston. Pitch pine, oak, ash, and satinwood are the kinds of American lumber in demand. Pitch pine is used for roof building and flooring, oak and ash for building railway cars and trucks, and satinwood for furniture making. The present price of pitch pine in Lisbon is between 56 and 62c. per cu.ft., as compared with 42c. before the war. The difference is not due to an increase in the price of the lumber itself, but to the exorbitant freight rates and the unusually low exchange. The average sizes of pitch pine imported are 27½ and 30 cu.ft. The usual sizes of Swedish lumber imported are 3x9 and 3x10, employed mainly for beams and for making doors and windows. The price, owing to present circumstances, has increased about 70 per cent. The stock of foreign lumber on hand is very small, but dealers state that they have no desire to increase it, in view of present conditions. The cheap native lumber, which sells for about 25c. per cu.ft., is being used extensively, thus replacing to a considerable extent the imported product. Occasionally small shipments of pitch pine from New Orleans are received, to supply the most urgent demands of the market.

Dodwell & Co., Ltd., 135 Front St., New York, N. Y., announces the removal of its office to 50 Broad St.

The Hydraulic Press Mfg. Co., Mount Gilead, Ohio, received the grand prize and gold medal for hydraulic presses at the Panama-Pacific International Exposition. This company has issued a folder on "Maintaining a Precedence in Exposition Awards."

Brick and Tile Produced in the United States in 1914 were valued at $164,986,983, according to Professor Middleton, of the United States Geological Survey. Clay products are made in every state, Ohio leading, Pennsylvania second, and New Jersey third. The strip of land along Hudson River from New York City to Cohoes, including Bergen and Middlesex Counties, in New Jersey, is the greatest brick-making district in this country and probably in the world, and New York City is the leading common-brick market in the United States, about one billion brick being used there annually. In 1914 there were marketed from this region 888,266,000 common brick valued at $4.90 per M. Of these, New Jersey produced 209,146,000 brick valued at $5.10 per M.

Wood-Block Paving in Great Britain is in general use in nearly all of the several hundred boroughs the population of which is greater than 60,000, according to the weekly bulletin of the Canadian Department of Trade and Commerce. In a few prominent cities, such as Glasgow, Dublin, Belfast and Liverpool, wood-block paving is used only in front of hospitals and schools. It is said that the hard pavements in these cities have not been replaced by wood because of the practice of shoeing draft horses with sharp calks, which would tear up the wood blocks. Without exception the wood-block pavement laid in Great Britain at the present time is Swedish or Russian redwood (Pinus sylvestris). The specifications issued by the municipal engineers throughout the country admit this wood and no other, the one exception being the specification for the Borough of Westminister, London, which admits Canadian spruce, red pine or Douglas fir. Swedish and Russian redwood, sawed in 4-in. blocks and given an 8- to 10-lb. treatment of creosote, gives a pavement that will last in London 20 yr. under light traffic and 12 yr. under heavy traffic. The English specifications are not especially rigid. Hearts are admitted, as are also knots, unless the latter are loose or on the upper end of the blocks. There is no rigid adherence to any rule regarding the rate of growth. The Russian redwood is preferred to the Swedish because it is slower growing and therefore harder, but blocks are admitted with six or even four rings to the inch. There is no rigid exclusion of sapwood, some specifications admitting as much as 18% of sap. Timber used by Great Britain for paving in 1913 was approximately 60,000,000 ft.

Contracts to Be Let

Bids received until Nov. 9, 1915.

Sewerage and Sewage Disposal

Yorktown Heights, N. Y.

Sealed proposals for Sewerage and Sewage Disposal Plant at the New York State Training School for Boys, Yorktown Heights, N. Y., will be received by Mr. William B. Osgood Field, President of the Board of Managers, New York State Training School for Boys, Yorktown Heights, N. Y., at the Department of Architecture, Room 1224 Woolworth Building, New York City, until November 9, 1915, at 2:30 p.m., when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of $1,875.00. The contractor to whom the award is made will be required to furnish surety company bond in the sum of 50% of the amount of contract within 30 days after official notice of award of contract and in accordance with the terms of Specification No. 2225. The right is reserved to reject any or all bids. Drawings and specifications may be consulted at the New York State Training School for Boys, Yorktown Heights, N. Y., at the New York office of the Department of Architecture, Room 1224 Woolworth Building, and the Department of Architecture, Capitol, Albany, N. Y. Drawings and specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon the deposit of a check in the sum of $10.00, made payable to the State of New York, for each set of plans and specifications, which check will be returned when plans and specifications are sent back in good condition to the State Architect, Lewis F. Pilcher, Capitol, Albany, N. Y.

Dated, Albany, N. Y., October 5, 1915.

Bids received until Nov. 11, 1915.

Section G. Dorchester Tunnel

City of Boston, Mass.

Sealed bids for building Section G, Dorchester Tunnel, in Dorchester avenue, between West Fourth street and Old Colony avenue, South Boston, will be received by the undersigned until 12 o'clock noon of Thursday, November 11, 1915. The section is about 1,200 feet long. The structure will be mainly of reinforced concrete. The work includes a pump well with an emergency exit, a ventilating chamber with an emergency exit, an open incline for surface cars, a 6'-6" tidegate chamber on the B street outfall sewer, and sewer changes. Specifications and forms of contract can be obtained at 15 Beacon street, ninth floor. The right to reject any and all bids and to award the contract as is deemed to be for the best interest of the City of Boston is reserved.

By order of the BOSTON TRANSIT COMMISSION,
B. LEIGHTON BEAL, Secretary.

Bids received until Nov. 4, 1915.

Proposals for Repairs to Granby Street

OFFICE BOARD OF CONTROL,
Norfolk, Va., Oct. 22, 1915.

Sealed proposals will be received at this office until one o'clock P. M., Thursday, Nov. 4th, 1915, for reconstructing, repairing and repaving the wood block pavement on Granby Street, from Main Street to Queen Street, according to the terms and conditions of the existing contract between the United States Wood Preserving Company, of New York City, and the City of Norfolk, Va., dated Mar. 3, 1910. The pavement to be restored to a "thoroughly good and satisfactory condition"—without maintenance obligations.

Instructions to bidders, proposals and specifications for the work can be seen at the office of the City Engineer.

A certified check for $2000 00 will be required with each proposal.

The right to reject any or all bids is reserved.

BOARD OF CONTROL.
W. H. TAYLOR, JR., City Engineer.

Bids received until Nov. 15, 1915.

Notice to Hydraulic Dredge Contractors

New Madrid, Mo.

Sealed proposals will be received by the St. John Levee and Drainage District of Missouri until 2 o'clock P.M., November 15, 1915, at the office of the Secretary, in the South Room of the Hunter Bank Building, in New Madrid, Mo.

The work to begin at the east end of New Madrid, extend along the "front" and down stream to high ground; a total distance of about 8,700 ft.; and consists of either 300,000 cu.yds. special hydraulic fill levee; crown 10 ft., slopes 5 to 1 and 10 to 1; or 177,000 cu.yds. special levee combined with 76,500 cu.yds. standard team work levee.

Material for hydraulic fill levee to be obtained from Mississippi River bed or from the immediate bank, part from near each end of the work. Maximum distance to be pumped about 3,200 ft. The material for the team work will be obtained at the site.

The conditions on the ground must be examined to be understood. Plans and specifications can be examined in the office of the Secretary at New Madrid or at that of Miller Engineering Co., Little Rock, Ark.

Bids must be accompanied by a certified check in amount equal to 2% of the price bid. The successful bidder will be required to give satisfactory bond in an amount equal to 40% of the contract price.

Ninety days to begin work; then 12 months to finish.

The right to reject any or all bids is reserved.

W. S. EDWARDS, Secretary.

October 15, 1915.

Bids received until Nov. 3, 1915.

Sewer Extension

Atlantic Highlands, N. J., Oct. 19, 1915.

Bids will be received by the Mayor and Council of the Borough of Atlantic Highlands, N. J., until eight o'clock P.M. on November 3, 1915, for the construction of 2½ miles of 8" and 10" sewer pipe with necessary manholes, and concrete pit for sewer lift.

Plans and specifications may be obtained from W. T. Franklin, Borough Clerk, upon deposit of $10.00 as a guarantee for the safe return of same.

A certified check for the sum of $500.00 must accompany all bids, as a guarantee that the bidder will enter into contract and furnish proper bonds, should his bid be accepted. The Borough reserves the right to reject any or all bids.

(Signed) W. T. FRANKLIN, Borough Clerk.
H. O. TODD, Borough Engineer.

Bids received until Nov. 11, 1915.

Highway Work

OFFICE OF THE STATE COMMISSION OF HIGHWAYS.
Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 1 o'clock P. M. on Thursday, the 11th day of November, 1915, for the improvement of the highways in the following counties: Cayuga (approx. 8.00); Chautauqua (approx. 0.79); Genesee (approx. 0.40); Greene (two highways—3.98, 2.39); Jefferson (approx. 6.05); Montgomery (approx. 4.59); Oneida (two highways—4.69, 5.34); Schenectady (approx. 4.22).

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the offices of the division engineers in whose divisions the roads are to be improved. The addresses of the division engineers and the counties in which they are in charge will be furnished on request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

I. J. MORRIS, Secretary. EDWIN DUFFEY, Commissioner.